Xuan Jiang

1724 La Vereda Rd, Berkeley, California, 94709

+1 571-426-9968 jiangxuan2019@gmail.com xuan-jiang github.com/Xuan-1998 Personal Website Scholar

Xuan is a Ph.D. candidate at the **University of California, Berkeley**, specializing in Transportation Engineering with a keen interest in **AI, High-Performance Parallel Computing, LLM, and Aviation Operation Optimization.** His research addresses **urban transportation system challenges, leveraging machine learning and high performance computing** to optimize transport scenarios and predict system impacts.

Academic Education

University of California, Berkeley **June 2021 – Dec 2024(Exp.)**

PhD in Transportation Engineering (Minor in Computer Science) GPA:4.0 / 4.0 *Berkeley, CA*

Courses: Applications of Parallel Computers, Introduction to ML, Back-End Web Architecture, Software Dev, Advanced Matrix Computations, Distributed Systems, Deep Reinforcement Learning and Decision Making

University of California, Berkeley **July 2020 – May 2021**

Master of Science in Transportation Engineering GPA:4.0 / 4.0 *Berkeley, CA*

Courses: Data Structures and Algorithms, Introduction to Database Systems, Introduction to AI, Operating Sys

Tongji University **Sep. 2016 – May 2020**

Bachelor of Science in Traffic Engineering | Object-Oriented Design, Compilers, Internet Protocols *Shanghai, China*

Research Experience

Massachusetts Institute of Technology, Cambridge, MA **May 2023 – Now**

Visiting Scholar in JTL - Urban Mobility Lab at MIT. Focused on using **Reinforcement Learning (RL)** for optimizing transportation scenarios, specifically addressing challenges like bus bunching with strategies such as skipping, holding, and turning around.Evaluated optimization techniques using high-performance computing-based traffic simulators. Supervisor: Jinhua Zhao and Haris Koutsopoulos

Lawrence Berkeley National Laboratory, Berkeley, CA **June 2021 – May 2023**

Graduate Student Researcher in the EA - Energy Analysis Env Impacts Division. Spearheaded the development of predictive models for multi-modal transportation systems, emphasizing the integration of machine learning techniques to optimize logistics and supply chain scenarios. Supervisor: Thomas Wenzel

University of California, Berkeley, CA **August 2020 – Now**

Research Scholar in Transportation Engineering at Civil and Environmental Department's Aviation Innovation Research Lab. Develop GPU-based parallel multi-modal micro traffic operation simulator. Supervisor: Prof. Raja Sengupta. Co-supervisor Prof. Joan Walker, Prof. James Demmel, Prof. Mark Hansen, Prof. Daniel Rodriguez, Prof. Alexandre M. Bayen

University of Washinton, Seattle, WA **August 2020 – Now**

Research Assistant in Smart Transportation Application & Research Lab (STAR Lab). Contributed to pioneering research on city-wide network congestion prediction by integrating traffic science with representation learning, developing the Traffic-informed Transformer (TinT). This work involved overcoming challenges related to diverse sensor modalities, congestion fluctuation modeling, and network structure generalization. Played a key role in enhancing the accuracy of traffic forecasting through innovative approaches such as anisotropic graph aggregation and traffic-informed tokenization. Supervisor: Prof. Yinhai Wang

National Academies of Sciences, Engineering, and Medicine, Washington DC **April 2022 – Now**

Young Member in transportation research board standing committee on aviation safety, security and emergency management (AV090) Review aviation-related papers, triennial strategic plan, and airport cooperative research program (ACRP) problem statements. Chair: Gaël Le Bris

Main Member in the Transportation Research Board Standing Committee on Marine Environment (AW030). Engaged in high-performance computing (HPC) and deep learning to address environmental challenges and promote sustainable practices in marine settings. Chair: Richard Billings

National Academies of Sciences, Engineering, and Medicine, Washington DC **April 2022 – Now**

Young Member in transportation research board standing committee on aviation safety, security and emergency management (AV090) Review aviation-related papers, triennial strategic plan, and airport cooperative research program (ACRP) problem statements. Chair: Gaël Le Bris

American Society of Civil Engineers (ASCE) **July 2023 – Now**

Committee Member in the Transportation Development Institute's Artificial Intelligence in Transportation Committee. Engage in activities related to AI applications in transportation systems, spanning across various transportation modes and aspects. Participate in conferences, workshops, and contribute to publications to foster innovation in AI applications within transportation. Chair: Lili Du, Ph.D., Aff.M.ASCE

Committee Member in the Active Transportation Committee. Participate in discussions, initiatives, and activities aimed at improving and promoting active transportation modes such as walking, biking, and other forms of human-powered transportation. Contribute to the development of best practices, guidelines, and policies that enhance the safety, accessibility, and convenience of active transportation. Chair: Cong Chen

Working Experience

Google **May 2024 – August 2024**

Software Engineering Intern *Berkeley, CA*

- Use Google Cloud Services, e.g. GAE and Datastore, to design a GCP based infrastructure for Google internal probing system. It will provide advanced I/O capabilities for verifying a system's ability to interact with various communication mechanisms, including Slack and Webhook.
- Apply Multi-GPU based high performance computing and LLM for improving internal probing system

California Consortium for Public Health Informatics & Technology **May 2023 – May 2024**

Artificial Intelligence in Public Health Informatics Intern *Berkeley, CA*

- Instructed over 250+ students in applying AI methodologies to Public Health Informatics and GIS Mapping & Analytics, emphasizing on the use of machine learning algorithms for spatial data analysis and public health decision-making.
- Acquired proficiency in leveraging LLM techniques within ArcGIS applications for Public Health, creating predictive models and analytics dashboards to forecast public health trends and challenges.
- Mastered the application of AI in enhancing data interoperability through RESTful API calls using HL7/FHIR resources on a Postman environment, automating data analysis and insights generation.

Lawrence Berkeley National Laboratory **June 2021 – June 2023**

GSRA *LBNL-UCB-STI/beam/Xuan/ActivitySim-micromobility* *Berkeley, CA*

- Deploy agent based traffic simulation on AWS EC2 instances to enhance cloud computation and multi-task implement but also on NERSC(National Energy Research Scientific Computing Center) to utilize the Cray EX system with AMD CPUs and NVIDIA A100 GPUs Berkeley Lab owns
- Inherit the Akka FSM trait which provides a domain-specific language for programming agent actions as a finite state machine to achieve the goal of doing **traffic simulation based on 2,466,019** households travel plans from bay area

Shanghai HeroTech Education Technology Co., Ltd. **Sep 2021 – Present**

Co-founder *Shanghai, China*

- Dedicated to promoting public understanding and education in the fields of artificial intelligence, deep learning, and computer vision
- Recognized as a Microsoft Most Valuable Professional (MVP) in Artificial Intelligence and a Huawei Cloud Developer Expert (HCDE) in A.I.
- Member of the Popularization and Education Committee of the China Graphics Society
- Managed and grew a successful Bilibili channel, accumulating 210,000 subscribers and over 10 million cumulative video views
- Produced notable works, including in-depth discussions on AI research papers, comprehensive lectures on Stanford CS231N Computer Vision and CS224W Graph Neural Networks (in Chinese), and practical tutorials
- Engaged diverse audiences, including open-source developers, university students, postgraduate candidates, researchers, IT professionals, programmers, and individuals interested in machine learning, computer vision, AI art, and related fields
- Collaborated with renowned companies such as Huawei Cloud, Baidu, Alibaba, Amazon, SenseTime, and digital product companies on various projects and initiatives
- Established partnerships with publishers, open-source organizations, and participated in international events and exhibitions

China Ocean Shipping Company **July 2020 – Oct. 2020**

Data Engineer Intern *Shanghai, China*

- Developed and integrated an enterprise-level database, encompassing over **100,000+ shipping records**, showcasing proficiency in managing vast logistics datasets.
- Implemented the backend Restful API to provide up-to-date access to Google Earth and Kylin data.
- This API provided an intelligence utility that equipped **2000+ analysts** in the company.

Eastrong International Logistics Co., Ltd **Jan. 2018 – May. 2018**

Data Scientist Intern *Shanghai, China*

- Conducted an inventory forecast by building a linear regression model in Python based on historical data, which increases the **accuracy** by **17%** and further analyze the causality relationships between different factors.
- Validated the prediction on dataset, and developed a dynamic visualization dashboard with JavaScript and Tableau.

Journal Publications

Jiang, X., Sengupta, R., Demmel, J., Williams, S., Zhao, J., and Bayen, A. (**2024**). Large Scale Multi-GPU Parallel Computing based Regional Scale Traffic Simulation Framework: LPSim. Submitted to *IEEE Transactions on Intelligent Transportation Systems*. [Journal Article]

Jiang, X., Wenzel, T., and Needell, Z. (**2024**). Integrative Analysis of Docked Bikeshare Systems in Urban Mobility: A Case Study of the San Francisco Bay Area. Submitted to *Transportation Research Part D: Transport and Environment*. [Journal Article]

Jiang, X., Cao, A., Sengupta, R., and Hansen, M. (**2024**). Synergistic Optimization of eVTOL Flight and Charging Schedules in Urban Air Mobility: A Model for Efficient Fleet Management. Submitted to *Transportation Research Part C: Emerging Technologies*. [Journal Article]

Jiang, X., Cao, S., Mo, B., Cao, J., Yang, H., Tang, Y., Hansen, M., Zhao, J., and Sengupta, R. (**2024**). Simulation-based optimization for vertiport location selection: A surrogate model with the machine learning method. *Transportation Research Record: Journal of the Transportation Research Board*. Accepted Feb 2024. [Journal Article]

Jiang, X., Tang, Y., Tang, Z., Cao, J., Bulusu, V., Poliziani, C., Sengupta, R. (**2024**). Simulating the Integration of Urban Air Mobility into Existing Transportation Systems: A Survey. arXiv preprint arXiv:2301.12901. [submitted to Journal of Air Transportation] DOI: https://doi.org/10.48550/arXiv.2301.12901

Tang, Y., Qu, A., **Jiang, X.**, Mo, B., Cao, S., Rodriguez, J., Zhao, J., Wu, C. (**2024**). Domain-Randomized Curriculum for Robust Reinforcement Learning in Bus Operations. Submitted to *IEEE Transactions on Intelligent Transportation Systems*. [Journal Article]

Wenzel, T., **Jiang, X.**, Needell, Z., and Poliziani, C. "Simulating Docked Bikeshare and Public Transit in the San Francisco Bay Area." In *Energy Technologies Area, Lawrence Berkeley National Laboratory*, Berkeley, CA, USA, Nov **2023**. [Technical Report]

Yang, H., Zheng, W., Cai, J., Wang, P., **Jiang, X.**, Du, S., Wang, Y., and Wang, Z. (**2023**). Integrating the traffic science with representation learning for city-wide network congestion prediction. Information Fusion, 99, 101837. [Journal paper] DOI: 10.1016/j.inffus.2023.101837

Bauranov, A., Parks, S., **Jiang, X.**, Rakas, J., & González, M. C. (**2021**). Quantifying the Resilience of the US Domestic Aviation Network During the COVID-19 Pandemic. Frontiers in Built Environment, 7, 642295. [Journal paper] DOI: 10.3389/fbuil.2021.642295

Chai, C., Lu, J., **Jiang, X**., Shi, X., & Zeng, Z. (**2021**). An automated machine learning (automl) method for driving distraction detection based on lane-keeping performance. arXiv preprint arXiv:2103.08311. Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence, Aug 2022. Under review. [Journal paper]

Conference Proceedings

Jiang, X., Li, J., Sengupta, R., Demmel, J., Bayen, A. M., and Williams, S. "Towards Scalable Regional Traffic Simulations: A Multi-GPU Parallel Computing Approach." *SC24*, [Submitted]

Jiang, X., Jiang, C., Tang, Y., Mo, B., Demmel, J., Williams, S., Zhao, J., Bayen, A., and Segnupta, R. "LPSim: A Scalable Multi-GPU Traffic Simulation Framework as a Testbed for Reinforcement Learning in Urban Mobility." *ITSC24*, [Submitted]

Jiang, X., Yang, H., Cao, S., Cao, J., and Tang, Y. "Design and Implementation of Urban Air Mobility (UAM) Corridor Systems: A Multi-Disciplinary Approach." *2023 INFORMS Annual Meeting*, Phoenix, AZ, USA[Invited Oral Presentation]

Jiang, X., Zhuang, D., Cao, S., Cao, J., Tang, Y., Li, J., Bulusu, V., Sengupta, R., and Zhao, J. "Performance Benchmarking and Scalability of LPSim: A Multi-GPU Traffic Simulation Approach." In *the 2023 IEEE International Conference on Digital Twins and Parallel Intelligence*, Orlando, FL, USA[Poster Session]

Cao, S., **Jiang, X.**, Bulusu, V., Charkrabarty, A., Hansen, M., Onat, E., Sengupta, R., and Zou, B. "Integrating flight and charging schedules in urban air mobility." In *Proceedings of the 103rd Annual Meeting of Transportation Research Board*, Washington D.C., USA, Jan **2024**. [Poster Session]

Cao, J., **Jiang, X.**, Tang, Y., Moody, J. T., Mo, Q., and Yang, H. F. "Understanding the Effect of Connector Buses on Flight Itinerary Choice." In *Proceedings of the 103rd Annual Meeting of Transportation Research Board*, Washington D.C., USA, Jan **2024**. [Oral Presentation]

Cao, J., **Jiang, X.**, Tang, Y., Mo, Q., and Yang, H. "Understanding Different Connector Buses' Effect on People's Choices in Selecting Itinerary." *2023 INFORMS Annual Meeting*, Phoenix, AZ, USA[Invited Oral Presentation]

Tsai, M., Liu, C., Yang, H., **Jiang, X.**, Zhu, M., and Wang, Y. "Unified Framework for Multi-Contrastive Learning in Spatial-Temporal Traffic Forecasting." In *Proceedings of the 103rd Annual Meeting of Transportation Research Board*, Washington D.C., USA, Jan **2024**. [Conference paper]

Bachan, J., Ye, J., **Jiang, X.**, Nguyen, T., Natarajan, M., Bremer, M., and Chan, C. "Devastator: A Scalable Parallel Discrete Event Simulation Framework for Modern C++." Invited Submission to *Proceedings of the 38th ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (SIGSIM PADS '24)*, Atlanta, GA, USA, Jan **2024**. [Conference paper]

Jiang, X., Laurence Lu, and Linyue Song. "Incompressible Fluid Simulation Parallelization with OpenMP, MPI, and CUDA." Advances in Information and Communication: Proceedings of the **2023** Future of Information and Communication Conference (FICC), Volume 2. Cham: Springer Nature Switzerland, **2023**. [Conference paper] DOI: https://doi.org/10.1007/978-3-031-28073-3$_2$8

Jiang, X., Lin, W., and Nagda, A. "Optimizing Matrix Multiplication on NERSC's High Performance Computer Cori." In *Proceedings of the Future Technologies Conference (FTC) 2023*, Session 12: Computing, San Francisco, CA, USA, Nov **2023**. Presented in-person. [Conference paper]

Jiang, X., Zhuang, D., Cao, S., Cao, J., Tang, Y., Li, J., Bulusu, V., Sengupta, R., and Zhao, J. "Performance Benchmarking and Scalability of LPSim: A Multi-GPU Traffic Simulation Approach." Presented in *IEEE DTPI 2023*. [Conference paper]

Yang, H., Zheng, W., Cai, J., Wang, P., **Jiang, X.**, Du, S., Wang, Y., and Wang, Z. "Integrating the Traffic Science with Deep Learning for City-wide Network Congestion Prediction." In *Proceedings of the 102nd Annual Meeting of Transportation Research Board*, Washington D.C., USA, Jan **2023**. Accepted. [Conference paper]

Jiang, X., Yang, H., and Wang, Y. "Making Sense of Electrical Vehicle Discussions Using Sentiment Analysis on Closely Related News and User Comments." ***2022*** *International Conference on Transportation and Development (ICTD)*, American Society of Civil Engineers (ASCE). [Conference paper]

Jiang, X., Peng, X., Bulusu, V., Poliziani, C., Chatterji, G., & Sengupta, R. (2022, September). A Metrics-based Method for Evaluating Corridors for Urban Air Mobility Operations. In **2022** IEEE International Smart Cities Conference (ISC2) (pp. 1-7). IEEE. [Conference paper] DOI: 10.1109/ISC255366.2022.9922442

Pham, H., **Jiang, X**., & Zhang, C. (**2022**). Causality and Advanced Models in Trip Mode Prediction: Interest in Choosing Swissmetro. *2022 International Conference on Transportation and Development (ICTD)*, American Society of Civil Engineers (ASCE). [Conference paper]

Huang, W., Yan, C., & **Jiang, X**. (**2019**). Chemical and rheology evaluation on the field short-term aging of high content polymer modified asphalt (No. 19-00486). In *Proceedings of the 98th Annual Meeting of Transportation Research Board*, Washington D.C., USA, Jan **2019**. [Conference paper] URL: https://trid.trb.org/view/1572334

Teaching Experience

CEE 290/190S Emerging Technologies in Public Health **Spring 2024**
Lead Teaching Assistant *Berkeley, CA*

- Assessed assignments and papers with an emphasis on the application of emerging technologies to public health challenges, providing specialized tutoring to enhance student understanding and innovation.
- Organized and led discussions on the latest trends in public health technology, facilitated the integration of guest speakers from the field, and moderated engaging debates to deepen student insight into course materials.

CEE 290I Civil Systems: Control and Information Management **Fall 2023**
Lead Teaching Assistant & Guest Lecturer *Berkeley, CA*

- Collaborated with Prof. Raja Sengupta and alumni from the Systems Engineering Ph.D. program to design and deliver an "invited lecture series" focused on Data-intensive, AI/ML applications, covering topics such as collaborative software development, containers, microservices architectures, cloud infrastructure, infrastructure as code, and MLOps.
- Developed comprehensive lecture materials and practical assignments to expose students to industry-standard practices and tools, facilitating their understanding of modern software engineering and data engineering concepts.
- Engaged in one-on-one tutoring and group discussions to deepen students' practical skills and theoretical knowledge, ensuring their readiness for the dynamic demands of the tech industry.

CEE 290/190S Emerging Technologies in Public Health **Fall 2023**
Lead Teaching Assistant *Berkeley, CA*

- Evaluated student assignments and provided feedback on case studies and projects related to leveraging technology for public health improvements, focusing on the integration of data, technology, and policy for equitable health outcomes.
- Supported students in understanding and applying concepts such as HL7, FHIR, continuous health monitoring, and bio-surveillance through hands-on tutoring and guidance on homework assignments.
- Facilitated engaging student discussions on the application of emerging technologies to mental health, environmental health, and lifestyle, enhancing their capability to innovate in public health technology.
- Coordinated with domain experts for guest lectures and capstone project mentorship, enriching the course experience with real-world insights and applications of technology in public health.

CEE 290I Civil Systems: Control and Information Management **Fall 2022**

Lead Teaching Assistant *Berkeley, CA*

- Supported the delivery of a curriculum exploring core computer science principles tailored for non-CS majors, covering topics from Von-Neumann Machine, DLX programming, to cloud computing, aimed at equipping students with a foundational understanding of computational systems.
- Oversaw grading and provided feedback for a series of biweekly homework assignments aligned with lecture topics such as memory management, data structures, and networking, emphasizing practical applications and safety in computing.
- Led tutoring sessions that clarified concepts of computational complexity, pointers, memory safety, and the Turing model of computation, reinforcing students' comprehension and application of these fundamental principles.
- Facilitated discussions and hands-on learning experiences related to cloud computing and computational reduced models, guiding students through the complexities of modern computing environments and their applications.

CEE 290I Civil Systems: Control and Information Management **Fall 2021**

Teaching Assistant *Berkeley, CA*

- Contributed to demystifying computer science for non-CS majors, covering a broad range of topics including semantics, the Von-Neumann Machine, DLX programming, memory management, computational complexity, data structures, and cloud computing.
- Assessed and graded a series of challenging homework assignments and a semester-long project, emphasizing the practical application of course topics in real-world scenarios.
- Provided targeted tutoring and guidance on complex topics such as memory safety, pointers, parsing, and networking, enhancing students' understanding and ability to innovate with computational technologies.
- Supported students in the development and presentation of their final projects, focusing on the intelligent use of computation to solve practical problems, and facilitated the final oral exam to assess their comprehensive understanding of the course material.

CEE 298/198 Transportation Equity and Justice **Spring 2021**

Teaching Assistant & Instructor of Practice *Berkeley, CA*

- Performed comprehensive grading of homework and papers, and provided targeted tutoring with a focus on justice and equity problem-solving in transportation.
- Facilitated student discussions, coordinated guest speaker sessions, and moderated dialogues to enrich course content and engagement.

Journals Peer Reviewer

TRB2023 (19 articles - Publons) ASCE ICTD 2024 Proceedings

Frontiers in Psychology (1 article - Accepted) ITSC 2023 (3 articles) AAAI 2024 (2 articles)

IEEE Intelligent Transportation Systems Society Conference 2022 (3 articles) Scientific Reports (1 article - Publons)

ASCE INTERNATIONAL CONFERENCE ON TRANSPORTATION & DEVELOPMENT 2024 (1 article)

Frontiers in Built Environment Editor

Awards

2023 ASCE ICTD AI in Transportation Committee Outstanding Session Organizer

2023 Selected Participant for Falling Walls Lab San Francisco Bay Area

2022 NSF AI workshop Phase II Travel Award

Joseph M Sussman 2021 Best Paper Prize

Projects

Shenzhen Metro Website | *Java, Docker, JavaScript, React, Spring Cloud, JWT, Mybatis Plus, Redis, AWS* *GitHub*

- Split-Stack-Developed an online metro application that includes a user system and a management system.
- Implemented authority management, subway management, statistical analysis, and line classification management.
- Used Spring Boot for the back-end, React+Hooks For the front-end, and Amazon S3 to store files.
- Deployed the web application to real users with AWS Elastic Beanstalk.

Shanghai Airport App | *Java, Spring Boot, Shiro, Redis, Mybatis, Docker, Swagger* *GitHub*

- Established the passenger management and travel management modules' back-end of a commercial mobile app.
- Deployed and achieved distributed architecture, load balancing and hot backup via Haproxy & XtraBackp.
- Optimized around **300** SQL query through Slow Query Log, and reduced **80%** query time through ElasticSearch.

Interpreter for a new Script Language | *Java, C, Git, GluonJ* *GitHub*

- Designed a new high-level dynamically typed, multi-paradigm, interpreted programming language.
- Implemented the interpreter with java which features garbage collection, lexical scope, closures, classes, and inheritance.
- Optimized the traversal of Abstract Syntax Tree and improved the performance by redesigning the Virtual Machine.

Technical Skills

Languages: Java, Go, Python, C/C++, HTML/CSS, JavaScript, SQL
Frameworks/DataBases: gRPC, Spring Boot, Node.js, MyBatis, MySQL, MongoDB, Redis, Amazon S3
Developer Tools: Gradle, Maven, Git, Docker, Nginx, Tomcat, Amazon EC2, Elastic Beanstalk

Community Engagement and Leadership

UC Berkeley Civil and Environmental Engineering Graduate Student Society **June 2023 - Present**
Event Organizer and Coordinator *Berkeley, CA*

- Coordinated the monthly Social Hour to foster a sense of community among graduate students, faculty, staff, and postdocs within the CEE department.
- Organized informational sessions prior to the Social Hour, encouraging participants to bring resumes for networking opportunities, enhancing career prospects and industry connections for attendees.

UC Berkeley Representation of Asian and Pacific Islanders (RAPID-CEE) **June 2023 - Present**
Financial Treasurer & Event Coordinator *Berkeley, CA*

- Led the organization of the monthly event, such as Lantern Festival Social Lunch, promoting cultural awareness and community among Asian and Pacific Islander students and faculty within the CEE department.
- Spearheaded the application process for Graduate Registered Student Organization (GRSO) funding, utilizing multiple avenues to secure financial support for cultural events, ensuring diverse and inclusive programming.
- Managed budgeting and financial oversight for the event, demonstrating adeptness in fund allocation for catering, decorations, and marketing materials to enhance event quality and attendee experience.
- Oversaw efficient guest list management, including RSVP follow-up, to maximize participation and foster an environment of cultural exchange and professional networking.

UC Berkeley Graduate Assembly Delegates **June 2021 - Present**
Funding Committee Member *Berkeley, CA*

- Played a key role in the administration of the GA Mutual Aid Fund in collaboration with the Basic Needs Center, designed to support students facing financial challenges, enhancing inclusivity and accessibility of financial support systems.
- Contributed to the oversight and distribution of USP Emergency Grants and the Birgeneau Perelman Fund for Undocumented Graduate Students, directly impacting basic needs, professional development, and tuition support for marginalized student populations.
- Managed applications and allocations for the Graduate Assembly's monthly Funding Round, ensuring transparent and equitable distribution of resources to graduate student organizations and initiatives.
- Engaged in fundraising efforts for the Berkeley Graduate Assembly, focusing on supporting Graduate Student Parents and Disabled Graduate Students through community-building, advocacy, and professionalization events.
- Facilitated student engagement opportunities, including the promotion of the Student Regent application process, advocating for student representation and policy development at the University of California Board of Regents.