Jieming Li

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Skills

- **Programming Languages:** C, C++, Python, Java, OCaml, MATLAB, R, shell
- **Web development:** HTML, CSS, JavaScript, Express.js, Pug, SQL
- **Tools:** Git, Jira, Wireshark, GDB, pthread, OpenMP, MPI
- **Concepts:** Algorithms and Data Structures, Parallel Programming, Software Development, Object-Oriented Programming
- **Languages:** Fluent in English and Chinese

Education

University of Minnesota, Minneapolis   September 2021 - December 2024
- **B.S. Computer Science**, Minor in Mathematics
- GPA [3.952] | Tau Beta Pi (Engineering Honor Society)
- Dean's List: September 2021 - May 2024

Experience

Research Assistant at University of Minnesota   June 2024 – November 2024
- Worked with Open5GS and srsRAN to intercept and analyze network messages between gNodeB, UE, and network functions
- Analyzed function call flows for message processing in 5G network simulations

Teaching Assistant at University of Minnesota   January 2024 - December 2024
- CSCI2021–Machine Architecture and Organization
- Tutored students on computer systems and programming in C and assembly
- Collaborated with faculty to evaluate coursework and provide feedback

Computer Science Undergraduate Research at UMN   May 2023 – July 2023
- Investigated cache side-channel attacks on IoT devices
- Received funding through the Undergraduate Research Opportunity Program

Teaching Assistant for TRIO Upward Bound, UMN   June 2022 – August 2022
- Tutored high school students in mathematics
- Organized and led extracurricular activities including a week-long camping trip.

Administrative Assistant for School of Nursing, UMN   July 2022 – September 2022
- Performed administrative tasks to support departmental operations

Working Paper

- Z. Wu, P. Sahu, L. Bessant, G. Gautam, **J. Li**, Y. Zhang, F. Tian, S. Rayadurgam, E. Van Wyk, Z. Zhang, NFLambda: An Actor Model–based Mobile Cloud Network Function Framework for Cache-Aware Consolidation. Under review.

Projects

Auction Website   September 2024 – December 2024
- Implemented a full-stack web application using **Express.js** for the server-side framework, **Pug** for dynamic HTML rendering, **CSS/JavaScript** for an interactive user interface, and **MySQL** database for secure and efficient data management
- Built features for adding/removing auction items, placing bids, etc.