Pauline Tang

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EDUCATION

University of California, Berkeley   Berkeley, CA
Computer science, B.A.   *August 2020-present*
Fiat Lux Scholarship recipient   *(expected graduation date May 2024)*
Relevant Coursework: The Structure and Interpretation of Computer Programs, Data Structures, The Foundations of Data Science, Discrete Mathematics and Probability Theory, Great Ideas in Computer Architecture (Machine Structures), Principles and Techniques of Data Science, Operating Systems and Systems Programming, Introduction to Artificial Intelligence, *Efficient Algorithms and Intractable Problems*, Computer Security* (*curr)*

SKILLS

Technical Skills: Java, Python, C, HTML/CSS, SQL, RISC-V Assembly, Pandas, MySQL, Git, Linux, JDBC, Apache Tomcat, JSP
Languages: English (fluent, literate), Vietnamese (fluent, literate), Teochew (Chinese Dialect) (fluent)

EXPERIENCE

Tech For Good, Inc.   Boston, Massachusetts (remote)
Software Engineer Intern   *May 2023-August 2023*
- Collaborated on the development of an innovative open source tool aimed at reducing cloud computing costs by leveraging spot/preemptive instances and communication among AWS, Azure, and GCP.
- Worked closely with the team to explore the utilization of surplus cloud instances, and built and debugged unit tests for a AWS cloud communicator.

East Side Union High School District, Goodwill ASSETS Program   San Jose, CA
AP Calculus BC Tutor   *August 2019-May 2020*
- Mentored AP calculus BC students in semi-weekly after school tutoring sessions, resulting in a 90% class pass rate on the AP exam.

PROJECTS

Weekly Planner - *Java, JSP, HTML/ CSS, MySQL, JDBC, Jakarta Servlet API, Apache Tomcat*
- Developed a full-stack Maven-based weekly task management web-application for efficient organization of daily activities.
- Built a user-friendly front-end interface that provides a streamlined and intuitive user experience for performing CRUD operations on tasks.
- Employed the Jakarta Servlet API to manage the exchange of HTTP requests and responses between the client-side and server-side components.
- Managed the backend with a MySQL database and utilized JDBC to form a connection and execute appropriate queries in the DAO layer.

Personal portfolio - *HTML, CSS, Javascript*
- Designed and built a responsive personal portfolio website using HTML, CSS, and JavaScript.
- Ensured optimal user experience across various devices through responsive design techniques.

EXTRACURRICULAR ACTIVITIES

Fiat Lux Scholars Association   Berkeley, CA
External Affairs Vice President   *May 2022-May 2023*
- Organized and hosted a virtual alumni panel featuring 4 accomplished alumni from software engineering, data engineering, and public health professional backgrounds.
- Developed alumni and faculty relations between current scholars via consistent communication and connection events.

Society of Women Engineers   Berkeley, CA
Outreach Committee: Mini University   *February-March 2022*
- Helped organize a day-long campus event for 60+ underrepresented, first-generation high school students interested in a career in STEM.
- Maintained contact with participating campus engineering organizations and faculty, constructed an efficient event program schedule, communicated internally with committee members and engaged in weekly meetings.