

Hengjun Pei

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EDUCATION

University of California, Irvine

March 2027

Bachelor of Science, Computer Engineering

Related Courseworks: Discrete Mathematics, Data Structures and Algorithms, Network Analysis I-II, Electronics I-II, Engineering probability, Continuous & Discrete-Time Signals Systems, Organization of Digital Systems & Computers

Project Experience

BAPAGO | MySQL, React, Node.js, Tailwind CSS, TypeScript, Figma April 2025 – Current

- Collaborate with an 8-member team to develop a restaurant discovery web application featuring an engaging swipeable card interface, integrating the Yelp API to display real-time restaurant details such as name, rating, distance, and hours.
- Manage user data—including account details, login credentials, and favorite restaurant selections—by designing and a MySQL database, and implement JWT-based authentication to ensure secure and persistent user sessions.
- Assist in frontend by building the profile and login pages using React, Next.js, TypeScript, and Tailwind CSS.

GOOD-VIBE CLOCK | Hackathon Project – BitHacks April 2025

- Worked with a team to design and build the hardware circuit for a clock that announces the time and a random compliment—generated using the Gemini API—via audio and display when one of two buttons is pressed.
- Planned hardware components, assembled and wired the circuit, and actively assisted in programming the device using C++ in the Arduino environment to manage and control its functionality.

LEADERSHIP & OTHER EXPERIENCE

Computer Technician | Computer Ahnex, Los Angeles, CA June 2023 – June 2024

- Diagnosed and resolved hardware and software issues for residential and business clients, including troubleshooting slow systems, repairing physical components, and addressing compatibility problems.
- Actively researched news in both hardware and software to ensure our information remained accurate and up to date.

Team Member | LIKELION US UCI August 2024 – December 2024

- Gained practical backend programming experience by focusing on Java and Spring Boot development, and collaborating on real-world projects to apply coding knowledge.
- Utilized Git for version control and collaboration, ensuring efficient project workflow and code management.

Club Vice President | International Students Club, Pierce College June 2023 – December 2023

- Supported internal club operations by helping organize meetings, and assist the president with administrative tasks.
- Assisted international students with their needs and concerns, helping them adjust to a new environment by coordinating engaging events such as Scavenger Hunts and Running Man.

Small Group Teacher | Church Everyday, Northridge, CA January 2023 – June 2024

- Led a small group of kindergarten children, creating an engaging and positive Bible learning environment.
- Collaborated with teachers and volunteers to organize and lead games for the Vacation Bible School program, guiding groups of children through instructions to ensure a fun and engaging experience at the game station.

Waiter | Hikari Sushi, West Hollywood, CA June 2021 – August 2023

- Served over 50+ customers daily, efficiently managing orders and maintaining a clean, organized workspace.
- Trained 5+ new employees and collaborated with a team of 10 during peak hours to ensure consistent service quality.

SKILLS

Tools: MATLAB, VIVADO, Microsoft Office, Git, GitHub, MySQL, Firebase

Language: Korean (Proficient), Chinese (Proficient), Japanese (Conversational)

Technical Skills: C, C++, Java, JavaScript, Python, HTML, Shell scripting, Verilog, React

Operating systems: Mac, Windows, Linux