

Jaewon Dong

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EDUCATION

University of California, Berkeley

B.A. Computer Science

Expected Graduation May 2025

GPA: 3.74

Relevant Coursework: Database Systems, Computer Architecture, Linear Algebra, Data Science, Computer Security

Extracurriculars: ANova Berkeley, Computer Science Mentors, Data Science Society, Pioneers in Engineering

EXPERIENCE

Kwikkart, AI-Powered Seamless Checkout Company

May 2023 – Present

Software Engineer Intern

Berkeley, CA

- Established a two-way communication channel between the mobile app and Jetson Nano via Bluetooth
- Spearheading the backend development of a web app that communicates with the mobile app and the hardware device to collect data from shopping trips and verify and label items

Rimble, Esports Analytics Company

May 2023 – Present

Software Engineer Intern

Remote

- Implemented Google Analytics 4 on the website to measure user traffic and engagement across the pages
- Developing a dashboard with prediction data for math and player performance using React and AWS

Firstly, Mentorship Platform Provider

Jan. 2023 – May 2023

Software Developer Intern

Berkeley, CA

- Collaborated with 5 developers to launch a new web mentorship platform for 2 groups of beta users, College Is Real, and UCI STEP, where mentors can assign customizable tasks and students can view their progress
- Built React components that retrieve users' connections, mentorship tasks, and profile
- Improved performance and fluidity of the website by migrating database from AirTable to PostgreSQL
- Converted JavaScript codes to TypeScript for code reliability and clear structure

PROJECTS

Fit Check, MERN stack website

Aug. 2022

- Developed a full-stack website that picks the best outfits from users' closets based on color theory
- Created React components to manage view layer and state changes, and used CSS for visual effects
- Built Closet middleware to connect user interface, backend server, and database by handling user's HTTP requests with CRUD operations, and parsing and computing data through communication with Color API
- Implemented Node.js, Express.js, and MongoDB to generate core backend functionalities such as user authentication, server management, error handling and logging, and data persistence and storage

Gitlet, Version-control system

Apr. 2022

- Devised a version-control system in Java that mimics the primary features of Git, a software for managing and tracking modifications in any set of files, primarily used for collaborative software development
- Supported functionalities including saving the contents of entire directories of files, restoring a version of modified files in commits, displaying the "log" (the history of a user's backups, and merging changes in one branch to another)

TECHNICAL SKILLS

- **Frameworks:** Python (NumPy, Pandas), Java, JavaScript (Node.js, React.js, Express.js), TypeScript, C, CSS
- **Technologies:** AWS, MongoDB, Git, Docker, PostgreSQL, MATLAB
- **Languages:** Fluent in English, Korean, Chinese