

Jaewon Dong

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EDUCATION

University of California, Berkeley

B.A. Computer Science, B.A. Applied Mathematics

Expected Graduation May 2024

GPA: 3.81

Relevant Coursework: Efficient Algorithms, Database Systems, Computer Architecture, Structure and Interpretation of Programs, Linear Algebra, Data Structures, Discrete Mathematics and Probability, Intro to Data Science, Microeconomics

EXPERIENCE

Firstly

Software Developer Intern

Jan. 2023 - Present

Berkeley, CA

- Collaborate 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
- Use React.js and SQL to build React components that retrieve users' connections, mentorship tasks, and profile data
- Spearheaded migration of databases from AirTable to PostgreSQL and converted JavaScript codes to TypeScript

Connect@Cal

Tech Associate

Sep. 2022 - Present

Berkeley, CA

- Operate and optimize a resource finder website, where students find resources with categories and keyword searching
- Use React.js and Flask to develop functionalities such as crowdsourcing, syncing, and scaling the resource database
- Decreased resource discovery time by 40% by redesigning database entities and image optimization

ANova

Curriculum Committee Member

Jan. 2023 - Present

Berkeley, CA

- Instruct and guide middle and high schoolers in under-resourced schools in the Bay Area to increase equitable exposure and accessibility to the education in STEM field
- Construct and publicize individualized curriculum for Web Development, Data Science and Game Development tracks
- Lead weekly review and work sessions for a group of 10-15 students, and help debug their codes during office hours

Alliph International

Technical Program Manager Intern

May 2022 – Aug. 2022

Los Angeles, CA

- Accelerated the company's E-commerce retail launch in the United States by arranging Amazon Seller and SEO
- Constructed a business model for the current trend in marketing and consumer preference through field research
- Increased monthly user visits by 30% by formulating a more visually pleasing user interface using HTML and CSS
- Monitored sales, customer reviews, and website activities and reported them to the manager

PROJECTS

Fit Check

Aug. 2022

- Designed and developed a full-stack website, which picks the best outfits from users' closets based on color theory
- Created React components to manage view layer and state changes, and utilized CSS for animations and visual effects
- Built Closet API to connect user interface and server by parsing and updating data and handling user's HTTP requests
- 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

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 among programmers
- 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)

Stock Market Fluctuations & Suicide Rates Analysis

Sep. 2021 – Nov. 2021

- Used Kaggle datasets and performed Exploratory Data Analysis (EDA) to evaluate stock market trends in the past
- Conducted deep analysis on their relationship with suicide rates through feature engineering using NumPy and Pandas
- Created trend graphs of mean closing prices of stock markets and suicide rates, and presented them at the Symposium

TECHNICAL SKILLS

Frameworks: Python (NumPy, Pandas), Java, JavaScript (Node.js, React.js, Express.js), TypeScript, C, CSS

Technologies: AWS, MongoDB, Git, PostgreSQL, MATLAB, MySQL

Languages: Fluent in English, Korean, Chinese