Jaewon Dong

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EDUCATION

University of California, Berkeley **Expected Graduation May 2024**
B.A. Computer Science, B.A. Applied Mathematics **GPA: 3.81**
Relevant Coursework: Computer Architecture, Structure and Interpretation of Programs, Linear Algebra, Data Structures, Discrete Mathematics and Probability, Data Science, Microeconomics

EXPERIENCE

Firstly Berkeley, CA
Software Developer Intern *Jan 2023 - Present*

- Collaborate with 5 developers to launch a new web mentorship platform for 2 groups of beta users, College Is Real, and UCI STEP
- Use React.js and SQL to build React components that retrieve users' connections, mentorship tasks, and other information.
- Currently migrating the database from Postgres/AirTable to our own custom database and converting JavaScript codes to TypeScript

ANova Berkeley, CA
Curriculum Committee Member *Jan 2023 – Present*

- 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 for students

Connect@Cal Berkeley, CA
Tech Associate *Sep 2022 – Present*

- Operate and optimize a resource finder web application, where students can find the right resources with categories and keyword searching
- Use React.js and Flask to develop functionalities such as crowdsourcing, image scraping, and syncing and scaling the resource database

Computer Science Mentors Berkeley, CA
Mentor *Aug 2022 – Dec 2022*

- Mentor for Structure and Interpretation of Programs
- Lead weekly review and work sessions for a group of 4-6 students, and help debug their codes during office hours
- Present mini-lectures and practice problems on topics including data structures, object-oriented programming, and data abstraction

Alliph International Los Angeles, CA
Business Management Intern *May 2022 – Aug 2022*

- Accelerated the company's E-commerce retail launch in the United States by arranging Amazon Seller and SEO on Google
- Collaborated with workers in China to formulate a business model that fits America's current trend in marketing and consumer preference
- Increased monthly user visits by 30% by modifying its old version into a more visually pleasing user interface using HTML and CSS
- Monitored sales, customer reviews, and website activities and reported them to the manager

Stroll Berkeley, CA
UX Researcher Intern *Sep 2021 – Mar 2022*

- Tested user interface components and performed field research to improve the performance of a safety-centered navigation app
- Collected and analyzed feedback from users and proposed improvements to enhance user experience

PROJECTS

Fit Check Berkeley, CA
Personal *Aug 2022*

- Designed and developed a full-stack website, Fit-Check, where people can find their best outfits from their closet based on color theory
- Created React components to manage view layer and state changes, and utilized HTML/CSS for animations and visual effects
- Used Node.js, Express.js, and MongoDB to generate backend functionalities such as user authentication, data storage, and server control
- Built Closet API that connects user interface and its server by retrieving and interpreting data and handling user's HTTP requests

Gitlet Berkeley, CA
CS61B *Apr 2022*

- Devised a version-control system 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
- Generated many 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 Berkeley, CA
Data Science Society *Aug 2021 – Dec 2021*

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

SKILLS AND INTERESTS

Languages: Fluent in English, Korean, Chinese
Skills: Python, Java, JavaScript (Node, React, Express), C, SQL, MongoDB, Git, HTML/CSS
Interests: Soccer, Coffee Brewing, Chess, Poker, Swimming, Cooking Steaks, Piano, Karaoke, League of Legends