Benjamin Dinh

benjamin-dinh.com | benjamindinh909@gmail.com | (408) 858-9210 | Bay Area, CA

EDUCATION

University of California, Davis

B.S. Computer Science   *Expected June 2022*

Relevant Coursework: Object-Oriented Programming | Data Structures and Algorithms | Algorithm Design and Analysis | Theory of Computation | Web Programming | Probability & Statistical Modeling | Applied Data Science

WORK EXPERIENCE

UC Davis Academic Assistance and Tutoring Centers   **Davis, CA**

Computer Science & Mathematics Tutor   *January 2020 - Present*

- Assisted students taking Data Structures & Algorithms, Calculus, Linear Algebra, and Discrete Math coursework.
- Designed supplementary curriculums, managed progress reports, and communicated with students regularly.
- Transitioned to virtual tutoring appointments with Zoom video conferencing.
- Tutored 5+ students every week and increased their test scores by an average of 15%.

UC Davis Social and Political Interacting Networks Group   **Davis, CA**

Research Programmer   *September 2020 - November 2020*

- Tools: C#, Maoz Network Program (Social Networks Analysis package)
- Researched the effect of shocks on social and political networks, the causes and consequences of network spillover, and methods for analyzing these networks.
- Handled edge cases, ensured efficient data management, and improved upon existing graph algorithms.
- Reduced memory stored in RAM by 50%.

UC Davis Department of Plant Sciences   **Davis, CA**

Front End Development Intern   *June 2020 - September 2020*

- Wrote and styled the front-end components of a professor's lab website.
- Implemented optimal practices for website development, including mobile and responsive site design.
- Ensured proper documentation of website edits and bug fixes.

PROJECTS

AggieFeed

Android Development   *July 2020*

- Tools: Kotlin, OkHttp, GSON
- Built an Android app that accesses a REST API to render a newsfeed of 20+ events which updates every day.
- Implemented GSON data mapping and Square's HTTP client OkHttp.

UC Davis Yearbook

Full Stack Development   *May 2020*

- Tools: HTML, CSS, JavaScript, React.js, Express.js, SQLite3
- Directed 3 web developers in building a website where users can upload personal profiles onto a virtual yearbook.
- Developed wireframes and assessed the UI and UX for technical feasibility.
- Implemented Flickr API, Google log-in authentication, databases, and browser cookies.

LEADERSHIP EXPERIENCE

#include at Davis   **Davis, CA**

Director of Technology - Front End   *May 2020 - Present*

- Facilitated quarterly projects where teams of 25+ members design and build websites for local non-profit organizations.
- Worked alongside 4 directors to plan educational workshops, perform code reviews, redesign the club website.
- Virtually taught 100+ attendees how to build and host their own portfolio websites.
- Worked directly with clients to develop technical solutions and improve upon existing prototypes.

SKILLS

Languages: Python | HTML | CSS | JavaScript | C | C++ | C# | Kotlin | R | SQL
Frameworks & Libraries: React.js | Express.js | Gatsby.js
Other: Bash Scripting | Figma | Git