JACOB DAMASCO

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EDUCATION

University of Southern California, Los Angeles, CA **Expected: Dec 2024**

B.S., Computer Engineering & Computer Science, Cumulative GPA: 3.5 / 4.0

- **Relevant Courses:** Data Structures, Algorithms, Programming in C/C++, Software Development, Discrete Methods in CS, Distributed Systems

University of San Francisco, San Francisco, CA **Aug 2019 - May 2022**

B.S., Physics, Cumulative GPA: 3.93 / 4.0

- **Honors:** Recipient of the Dr. Raymond J Genolio Award, Dean's List (all 6 semesters)

SKILLS

- **Languages:** Python, C++, Java, HTML, CSS, JavaScript, SQL, C, Kotlin, LaTeX
- **Frameworks & Tools:** React.js, React Native, Spring Boot, Django, Next.js, Bootstrap, Tailwind CSS, Flask, Git, VSCode, Docker, Linux, Shell

WORK EXPERIENCE

Hexfork, San Francisco, CA **May 2023 - Aug 2023**

Software Engineer Intern

- Developed multiple **responsive React.js components**, such as navbars and dropdowns, into Hexfork's website, resulting in a **20% increase in website engagement** along with improved site usability and navigation.
- Implemented efficient client-side routing using the Next.js framework, which **reduced page load times by 50%**.
- Utilized Strapi, a headless Node.js based CMS, to seamlessly integrate the news page backend with the React frontend, providing real-time content updates to users.

TeraThought, Los Angeles, CA **Aug 2022 - May 2023**

Software Engineer Intern

- Constructed **3+ widgets** following an MVVM design pattern, such as a pop-up invite banner and a mobile navbar, using **Kotlin and Android's Jetpack Compose** to develop a prototype for a new mobile app, Shareful.
- Collaborated closely with **1 product manager** and **4 UX designers** in an agile team in order to reduce design-to-code conversion time by 2 days and promote consistent UI development.

University of San Francisco, San Francisco, CA **Aug 2020 - May 2022**

General Physics Teaching Assistant

- Conducted office hours for a class of **100+ students** to help them with physics assignments & exam preparation.
- Strengthened students' conceptual understanding using different explanations & examples, **reducing time spent by 25%** on homework assignments.

PROJECTS

Productiv | [Github] **Nov 2023**

- Led a team of **6+ students** to implement a **full-stack mobile app** that utilizes the **Google Calendar API** to allow users to schedule tasks, collaborate on tasks, and maintain a to-do list for the day.
- Leveraged **Java Spring Boot and AWS RDS SQL database** to quickly develop a **REST API** that lets users manage tasks, collaborators, and to-do list items.
- Utilized **React Native state and prop** concepts in order to provide users with smooth transitions between pages.

OCR: Optical Character Recognition | [Github] **Nov 2022**

- Developed a **C++ program** that uses **polymorphism & inheritance** to identify numbers from 10+ images **without using machine learning libraries** while accounting for different fonts and styles.
- Wrote a **breadth-first search algorithm** that was able to identify large pixel chunks that form a number.
- Used **3+ mathematical techniques**, such as calculating the Euler number, symmetry, & center of mass, in order to accurately differentiate the digits 0 to 9 and pass **100% of the Google Test tests** that were provided.