

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: 3.41 / 4.0**

- **Relevant Courses:** Data Structures, Programming in C/C++, Software Development, Discrete Methods in CS
- **Honors:** Dean's List (Spring 2023)

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, C, Kotlin, LaTeX
- **Frameworks & Tools:** React.js, Django, Next.js, Bootstrap, Tailwind CSS, Flask, Git, VSCode, Docker, Linux, Shell

WORK EXPERIENCE

Hexfork, San Francisco, CA

May 2023 - current

Software Engineer Intern

- Developed multiple **responsive React.js components**, such as navbars and dropdowns, into Hexfork's website, resulting in improved site usability and enhanced user experience and navigation.
- Implemented client-side routing in the website using the **Next.js framework** for quick page redirection.
- Coordinated **30-minute meetings** with **2 team leads and 14 other engineers** in order to streamline project timelines while exceeding the CEO's expectations through prompt project delivery dates.

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 with **1 product manager and 4 UX designers** in order to optimize the usage of widgets in the app.
- Improved code quality by identifying and resolving **20+ bugs** and properly documenting such major changes to the codebase during weekly code reviews.

University of San Francisco, San Francisco, CA

Aug 2020 - May 2022

General Physics Tutor

- Mentored groups of **2 to 6 students** to help them with physics assignments & exam preparation.
- Reinforced students' conceptual understanding using different explanations & examples in topics such as mechanics and electricity and magnetism, resulting in scores **greater than the 80% class average**.

PROJECTS

OCR: Optical Character Recognition | [\[Github\]](#)

Nov 2022

- Developed a **C++ program** that uses **polymorphism & inheritance** to identify numbers from 10+ images **without the use of machine learning libraries** while also 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.

Family Feud: Baby Shower Edition | [\[Github\]](#)

July 2022

- Deployed a Family Feud **game in React** complete with sound effects, score updating, & strike functionality.
- Showcased the web app to **20+ people**, including 10 player participants.
- Implemented **React components, props, hooks, & React Router** in order to write modular code & develop new web development skills **within 1 week**.