

## EDUCATION

**University of Southern California, Viterbi School of Engineering** Los Angeles, CA  
*Bachelor of Science in Computer Science & Business* May 2023  
*Minor in Applied Analytics* GPA: 3.8

**Honors & Awards:** Trustee Scholarship, Alpha Lambda Delta Scholar, Dean's List

**Relevant Coursework:** Advanced Programming in Python, Web Publishing, Data Structures & Object Oriented Design, Introduction to Algorithms, Principles of Software Development, Software Engineering, Data Science

## SKILLS

**Programming/Scripting Languages:** Python, C++, Java, Javascript, R, HTML, CSS, Swift, SQL, Typescript, C#

**Frameworks and Tools:** ReactJS, NodeJS, Postgresql, jQuery, Tableau, Git, Figma, Firebase, Docker, Unity

## EXPERIENCE & LEADERSHIP

**Adobe Inc.** San Jose, CA  
*Software Engineering Intern - Workfront Fusion* May 2022 - August 2022

- Analyze resource usage and concurrency costs of 100+ enterprise clients to predict optimal allocations
- Design and develop microservice with API endpoints to aggregate and expose resource cost/usage data
- Construct data pipelines with Broker, Postgres, Elasticsearch, RabbitMQ to feed data into microservice
- Implement a native Fusion application using microservice to build out weekly reports and visualizations
- Reduce 60% of client base's resource costs and collaborate with team of 6 engineers/product manager

**TroyLabs** Los Angeles, CA  
*Software Developer and Engineering Consultant* February 2022 - Present

- Build and maintain internal administrative database and platform using Python, flask, SQL, HTML/CSS to effectively aggregate the functions of 4 externally-purchased services and reduce organizational costs
- Consult for a cohort of USC's most innovative student-led startups every semester regarding technical implementations, software system design decisions, and overall engineering solutions

**PennyMac Financial Services** Los Angeles, CA  
*Data Engineering Intern* June 2021 - August 2021

- Optimize the performance of 50+ data pipeline jobs using pandas, Google OAuth 2.0, AWS Athena/S3
- Improve results delivery by decreasing pipelines' runtime by up to 60% and storage usage by up to 30%
- Document pipeline upgrades with web-based diagrams and present findings to team of engineers/analysts

**Major League Hacking** Alpharetta, GA  
*Software Engineering Explorer Fellowship* February 2021 - May 2021

- Develop innovative personal projects and a technical portfolio using a variety of frameworks and tools
- Apply agile, feature-driven, and DevOps software development methodologies with extensive teamwork
- Pitch projects to tech industry professionals and employ feedback for continuous development

**Develop for Good** Alpharetta, GA  
*Full-Stack Developer and Product Manager* August 2020 - February 2021

- Spearhead the feature and user design, progress, and technical development of a full-stack web application
- Implement features to schedule appointments, track records, and offer telehealth support via chatting for 5,000+ patients for CARE International's Maternal Hospital in Somali using React.js, Node.js, Postgresql

## PROJECTS

**Get-SVG-Icons** *Typescript, Python, Beautiful Soup, HTML/XML*  
• VS Code Extension with over 1,000 users that provides a sidebar, search functionality, and inline recommendations to program the direct integration of icons into frontend code

**SocioMark** *ReactJS, FastAPI, MongoDB, OpenCV*  
• Social media platform for uploading images to encode personalized watermarks based on a user's profile created from machine learning neural networks to enforce anti-piracy policies and creators' rights