

EDUCATION

- **University of California, San Diego - Expected B.S. in Math-Computer Science** Jan 2021 - Present
- **Courses:** Advanced Data Structures, Discrete Math, CPU Organization/Systems Programming, Algorithm Analysis

PROFESSIONAL EXPERIENCE

Proko Tech LLC, Software Engineer Intern **San Diego, CA** (Jun 2022 - Sept 2022)

- Developed user account deletion feature for the Proko Park mobile application by implementing new code and refactoring an existing source codebase of **~8000 lines of code**
- Utilized **React Native, Redux, JSX and CSS** to create ~6 new components, modify ~4 existing components and **Express, Node.js, Knex.js, MySQL** to develop 3 new API routes and database manipulation
- Wrote and maintained **2 design docs for iterations** to encapsulate implementation progress and feature lifecycle

LeEngineer LLC, Software Engineer Intern **San Diego, CA** (Jun 2022 - Sept 2022)

- Implemented unit-tested dynamic web-pages using **MERN stack** for OutTheDoor, an analytics based vehicle purchasing web application that eliminates buyer uncertainty with ML pipeline
- Maintained and developed **REST API** features for structuring vehicle data and analytics visualization for calculation/prediction, and trained in **Scrum Methodology** by attending daily scrum meetings and participating in sprints

Ingram Micro Inc., Robotic Process Automation (RPA) Developer Intern **Shanghai, China** (Jul 2021 - Sept 2021)

- Worked in a pre-sales team to develop automated processes for improving Ingram Micro invoice processing workflow
- Incorporated **OCR technology** to identify information and complete invoice filing/ query
- Utilized **UiPath Studio, Orchestrator and Robot** to deploy processes, resulting in increased efficiency and estimated **3600 minutes per week saved** on invoice processing
- Assisted pre-sales engineers to set up **RPA demonstrations** for potential clients, resulting in 2 new enterprise customers

PerFit Fitness Center, Software Engineer Intern **Shanghai, China** (Jan 2020 - Apr 2020)

- Led design and development of Android mobile app for trainers to schedule/ manage client reservations
- Produced an intuitive and effective solution utilized by **~500 and counting clients** and **~20 personal trainers**, resulting in **100% satisfaction by all users**
- Implemented product using **Android Studio SDK tool, Java, XML, SQLite, and MVC architecture**

PROJECTS

Musical Mood Tracker (VibeCheck) **San Diego, CA** (Apr 2022)

- Developed web-app that tracks/ displays user mood based on music to observe emotions in 48 hours, **SDHacks 2022 MageAI 2nd Place** winner, used **Spotify API** to extract audio features into a categorization model to update **React** frontend

Algorithm Visualizer **Shanghai, CN** (June 2020)

- Created **Python** GUI app that displays real-time sorting techniques to help students improve algorithmic comprehension for tutor role, utilized **Tkinter** for frontend GUI, and implemented sorting techniques: **Merge, Insertion and others**

Automated Webscraper **San Diego, CA** (Aug 2022)

- Produced automated Python web-scraping script that scrapes e-commerce website for cheapest product price and updates user through Messages every given interval, utilized **BeautifulSoup, Twilio, and Requests** Python libraries to implement

LEADERSHIP AND EXTRACURRICULARS

Theta Tau at UCSD - Professional Engineering Fraternity **San Diego, CA**

- Selected as 1 of 15 out of **~100 prospective members**, promoting professional development and strengthening brotherly ties

Computer Science and Engineering Society, Projects Chair **San Diego, CA**

- Organizing logistics for CSES Tri-Dev, finalizing teams and arranging weekly workshops to cultivate supportive environment

CSForeach, TritonsHack Co-Director **San Diego, CA**

- Overseeing planning/execution for TritonHacks- hackathon that promotes CS interests to high school students in San Diego

Association for Computing Machinery at UCSD, Events Team Outreach Lead **San Diego, CA**

- Spearheading outreach program- reaching out to local organization, working with stakeholders to develop event curriculum

LANGUAGES/ TECHNOLOGIES

Python, Java, Javascript, C, C++, Git, MySQL, SQLite, ReactJS, React Native, CSS, ExpressJS, Android Studio, Linux