Alex **Phan**

760-420-5441 | avp006@ucsd.edu | Vista, CA | APhan1337 | alexvphan

Education

University of California, San Diego   *La Jolla, CA*
B.S. IN COMPUTER SCIENCE   *Expected June 2021*

Experience

Engineers Without Borders (EWB) at UCSD   *La Jolla, CA*
FULL STACK DEVELOPER   *October 2019 - Present*

- Developed a Tutoring Outreach website that enables tutors to help educate students through online seminars.
- Implemented Q&A feature, Discussion Board, and Calendar-based scheduling system using Django, HTML, CSS, and JavaScript.

CodePath   *La Jolla, CA*
iOS BOOTCAMP   *January 2020 - May 2020*

- 12-week iOS bootcamp learning Swift, mobile development design principles, and recreated IMDb, Twitter, and Instagram.
- Developed a bill splitting app that uses optical character recognition to split check items and share payments.

World Lifestyle   *La Jolla, CA*
DATA ANALYTICS & DESIGN INTERN   *July 2019 - August 2019*

- Laid initial groundwork to integrate RTK Console and Snapchat API into data analytics web app to monitor media buying campaigns.
- Designed and implemented highest performing marketing graphics for advertisement, which yielded $10k and 600k+ impressions.
- Analyzed trending data and tracked media/ad performance. Assess risk and implement work arounds.

ScaleFlux   *San Jose, CA*
SOFTWARE ENGINEERING INTERN   *Summer 2018*

- Developed a SSD Manufacturing Acceptance Test (MAT) suite with Python and MySQL.
- Analyzed both successes and failures of production level SSDs for future hardware integration.
- Performed tests on 500+ SSDs resulting in an pass/failure detection accuracy of 97.6%.
- Trained and supported new staff on MAT suite use and integration.

Projects

Spltr   *Swift, Heroku*
BILL SPLITTING iOS APP

- Utilized Tesseract OCR iOS to recognize text from a scanned bill. Parsed the data using automated receipt cropping into a TableView, which then allowed users to add recipients, share expenses, and request payments through Venmo.
- Implemented login/signup and receipt organizer through Heroku back-end.
- Awarded "Best Product Idea" among 30 other developed apps on CodePath Demo Day.

Triton Clubs   *Java, Python, Firebase*
UCSD CLUB INFORMATION ANDROID APP

- Platform that enables students a fluid channel of communication between club advisors and members, produce club exposure and recommendations, and coalesce club information and event details.
- Created a script that scraped relevant club data from UCSD website and integrated it with Firebase to support a real-time database.
- Implemented Club Discovery, News Feed, Profiling, and Searching features so students can find information on clubs easier.

Spartan Scheduler   *Java, JavaFX*
COURSE SCHEDULING ASSISTANT

- Designed and built an application to help MiraCosta College (MCC) students plan their semester course schedules.
- Utilized HTTP requests to pull relevant course data from MCC's course database and created a course visualizer with JavaFX.
- Developed algorithm that builds best schedule based on time & professor evaluations, simplifying registration process for students.

Skills

Languages	Java, C++, Python, Swift, HTML, CSS, JavaScript
Frameworks	JavaFX, ReactJS, Bootstrap
Tools/OS	Linux (CentOS), Android Studio, Xcode, Git, Node.js
Design	Photoshop, After Effects, Premiere Pro, Illustrator, Cinema 4D