Angel Fan

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angelqfan.com   @aqfan

EDUCATION

University of Pennsylvania - School of Engineering and Applied Science, Philadelphia, PA
Master of Science in Engineering (MSE), Computer Science | GPA: 3.94   *Expected Dec. 2020*
Bachelor of Applied Science (BAS), Computer Science | GPA: 3.60   Aug. 2016 - May. 2020
- Minors: Engineering Entrepreneurship, Mathematics| Honors: Dean's List, Magna Cum Laude
Skills: Java, JavaScript, Python, C++, SQL, Android Studio, Kotlin, R, HTML/CSS

EXPERIENCE

Software Engineering Intern   May 2020 - Aug. 2020
Google   *Sunnyvale, CA*
- Improved the validation system for legacy data migration of the GSuite platform by adding validation for over 80M entities and eliminating millions of false positives using **Java** and **SQL**
- Contributed over 21,000 lines of code to team codebase

Software Engineering Intern   May 2019 - Aug. 2019
Google   *New York, NY*
- Designed, implemented and tested two Jobs Search features on Google.com through **Java** and **C++** that improves user experience for millions of users
- Fixed over 20 bugs and contributed over 3,000 lines of code to team codebase

Software Engineering Consultant   May 2018 - Oct. 2018
Luminary Experts   *New York, NY*
- Participated in a patent infringement investigation, working directly with the principal investigator
- Lead developer of scripts for database configuration and data loading using **Oracle PL/SQL**

Research Fellow   Jan. 2018 - Aug. 2018
University of Pennsylvania   *Philadelphia, PA*
- Awarded a Rachleff Scholars Society research fellowship to work on the World Well-being Project
- Head engineer on social media research project using natural language processing through **Python**, **MySQL**, and **R** to analyze the impact of cultural factors on language use for over 500,000 users

Course Instructor   Sep. 2017 - Present
University of Pennsylvania   *Philadelphia, PA*
- Teach, design curriculum, and write homework for Android Mobile App Development course in **Kotlin**
- Previously TA for Intro to Computer Programming (Fall 2017 - Fall 2018) and Android Mobile App Dev. (Fall 2018)

PROJECTS AND AWARDS

WatchWithMe | JavaScript, HTML/CSS   Mar. 2020
- Chrome extension for watching videos with others; includes features like chat and synchronized buffering

PennBook | JavaScript, Java, HTML/CSS   Dec. 2018
- Won *top 4* out of 50+ teams in Scalable and Cloud Computing course
- A mini-Facebook for Penn students with messaging, news feed, friend recommendations, and more

Anita Borg 2018 GHC Fellow   Sep. 2018
- Competitive fully-funded scholarship for attending the Grace Hopper Conference

ASLator | Python, JavaScript, HTML/CSS, Artyom.js, Spacy   Feb. 2018
- Won *second place* overall at FemmeHacks 2018 Hackathon
- Translates complex English sentences into American Sign Language via text and speech

LEADERSHIP AND INVOLVEMENT

Recruitment and Marketing Vice President for Alpha Delta Pi Sorority   Jan. 2019 - Jan. 2020
Creative and Marketing Director for PennApps Hackathon   Nov. 2016 - Mar. 2019
Official Tutor for Programming Languages and Techniques I and Calculus III   Jan. 2018 - Aug. 2018
Assistant Web Developer and Webmaster for The WALK Magazine   Sep. 2017 - Aug. 2018