

Angel Fan

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Education

University of Pennsylvania - School of Engineering and Applied Science, Philadelphia, PA *August 2016 - present*
Major: Computer Science | Candidate for Bachelor of Science in Engineering, May 2020
Skills: Java, JavaScript, Node.js, Python, MySQL, Oracle PL/SQL, Android Studio, R, HTML/CSS
Relevant Coursework: Data Structures, Algorithms, Database and Information Systems, Android App Development

Experience

Software Engineering Consultant *May 2018 - Present*
Soundside Software - New York, NY | Remote

- Participated in patent infringement investigation, working directly with principal investigator
- Lead developer of scripts for database configuration and data loading using **Oracle PL/SQL**

Research Fellow *January 2018 - August 2018*
University of Pennsylvania - Philadelphia, PA

- Awarded a Rachleff Scholars Society research fellowship
- Head engineer on social media research project on using natural language processing through **Python**, **MySQL**, and **R** to analyze the impact of cultural factors on language use for over half a million users

Teaching Assistant *September 2017 - Present*
University of Pennsylvania - Philadelphia, PA

Introduction to Computer Programming (Fall 2017, Spring & Fall 2018), Android Mobile App Development (Fall 2018)

- Work directly with instructors to design curriculum and homework/exam rubrics
- Teach weekly recitation, hold office hours, grade homework and exams for efficiency and style

Creative and Marketing Director *November 2016 - Present*
PennApps - Philadelphia, PA

- Orchestrate marketing campaigns as head of the Creative and Marketing committee of the world's largest student run hackathon
- Developed internal apps for real time users with **Node.js**, **Dialogflow** and **MongoDB**

Projects and Awards

Rewriting the Code 2019 Fellow *June 2018*
• Competitive fellowship for women in computer science

Anita Borg Institute Grace Hopper Celebration 18 Scholar *May 2018*
• Chosen out of an extremely competitive pool to receive a full scholarship to attend GHC 18

Capital One Engineering Summit *May 2018*
• One of 40 engineers selected from over 800 applicants
• Developed a chrome extension using that allows users to donate to charities in exchange for coupons

SafeEats | JavaScript, Oracle PL/SQL, Python, HTML/CSS *April 2018*
• Offers users an interactive way to search for restaurants based on personal preferences

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

My SkinCare | JavaScript, HTML/CSS, Google Maps API, Google Calendar API *February 2017*
• Won the Rough Draft Ventures Prize at FemmeHacks 2017
• A web app that offers users over 100 different personalized daily skin care routines

Leadership and Involvement

- **Official Tutor** for Programming Languages and Techniques I and Calculus III *January 2018 - August 2018*
- **Assistant Web Developer and Webmaster** for The WALK Magazine *September 2017 - August 2018*
- **Photographer and Associate Photo Editor** for The Daily Pennsylvanian *August 2016 - Present*
- **Photographer** for PennAppetit *August 2016 - Present*