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#### **EDUCATION**

University of Pennsylvania – School of Engineering and Applied Science, Philadelphia, PA May 2020

Major: BSE in Systems Science and Engineering Minors: Computer Science, Mathematics

**GPA:** 3.84 **Honors:** Dean's List 2016-2018

**Relevant Coursework:** Data Structures & Algorithms, Network Theory, Decision Modeling, Dynamic Systems, Signal Processing, Probability, Theory of Computation, Linear Algebra, Differential Equations, Multivariable Calculus, Engineering Research & Design

#### **EXPERIENCE**

Microsoft, Software Engineering and Program Management Intern

May 2018 - August 2018

- Created newsfeed-style application to streamline processes in Azure Capacity, Supply Chain, and Provisioning division
- Built UI, consolidated data, and generated insights for deployment of servers into data centers using TypeScript and Angular 2

## The Wharton School, Research Assistant

May 2017 - August 2017

- Mined financial documents to extract public company information with goal of utilizing machine learning to predict stock performance
- Wrote scripts in Python to text mine over 100,000 10-K filings and earning calls.
- Performed sentiment analysis to measure CEO traits and other intangible firm characteristics using Receptiviti API

## Engineering Summer Academy at Penn, Residential Teaching Assistant

June 2017 - July 2017

- Held office hours and graded assignments for over 30 students in Complex Networks, an advanced college course for high school students covering network theory, linear algebra, and MATLAB
- Organized community building social events for class and floor residents

## University of Pennsylvania, Electrical & Systems Engineering, Research Assistant

January 2017 - May 2017

- Researched optimal pathway to reduce greenhouse gas emissions in the Greater Philadelphia region
- Analyzed demographic data and classified census tracts
- Evaluated costs and benefits of changing transportation modes
- Published as SBP-BRiMS 2017 Conference paper

#### **PROJECTS**

- Wikipedia Game. Parsed Wikipedia link data, implemented various graph algorithms, and built basic search engine. Java.
- Paint. Implemented features that allow users to customize color, shapes, and line thickness. OCaml.
- Image Processing. Facial recognition and image compression using Discrete Fourier Transforms and Principal Component Analysis. MATLAB.

#### **LEADERSHIP**

## Eta Kappa Nu (IEEE-HKN Honor Society), Chapter President

2017-Present

- Spearheaded academic and professional programs for electrical, systems, and computer science students
- Started ESE@Penn Piazza page, a forum for students to ask questions pertaining to Electrical & Systems Engineering Dept.

### Society of Women Engineers, Activities Co-Director

2016-Present

- Organized various professional, academic, and social events
- Initiated Female Faculty Dinner, Study Hours, and more collaborations with other clubs/organizations

# Alpha Omega Epsilon, Professionalism Chair

2017-2018

Ran resume workshops and maintained networking resources for the chapter

#### **SKILLS & INTERESTS**

Coding: Java, TypeScript, MATLAB, Angular 2, Python, OCaml, HTML/CSS, Git

Interests: Piano, Flute, Bullet Journaling, Architecture

Languages: Mandarin (Proficient), Spanish (Conversational)