

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

May 2020

Bachelor of Science in Information Systems

Additional Major: Statistics & Machine Learning

GPA: 3.77/4.00 Dean's List Fall 2016 - Spring 2017

LEADERSHIP & EXPERIENCE

Microsoft, Guangzhou, China

May 2018 - Aug 2018

SWE Internship

- Worked as a Python developer in a team of 5 to build a bilingual global business service support chatbot
- Optimized chatbot's chitchat response accuracy from 70% to 96% by applying ML techniques
- Conducted weekly data analysis of chatbot performance and utterances
- Assisted team's agile development cycle management with Visual Studio and SharePoint

CMU Summit on US-China Innovation and Entrepreneurship, Pittsburgh PA

Sep 2017 - Present

Co-Founder & Head of Talent Pool

- Planned and launched version 1.0 and 2.0 of CMU Talent Pool, a career service platform that determined to eliminate information asymmetry between international students and recruiters
- Led a team of 6 for the full-stack development of the web application with Ruby on Rails, Reactjs, HTML5, and CSS
- Managed the version 3.0 project development team with agile development cycle

Harvard Summit for Young Leaders in China, Beijing, China

Aug 2017

Executive Assistant

- Planned and coordinated major activities involving 600+ people
- Fostered and maintained an efficient internal material management system

ACADEMIC PROJECTS

Predicting House Prices with Machine Learning

May 2018

- Developed a statistical ML model to predict house prices in Ames, Iowa using dataset from Kaggle
- Improved model performance by adjusting models, data cleansing and feature engineering
- Placed in top 15% on the leaderboard and got RMSLE of 0.12

E-commerce Web Scraper

March 2018

- Created a web scraper with Scrapy and BeautifulSoup to get all Samsung phone sales information on JD.com
- Self-learned and implemented a web driver with Selenium to trigger Javascript hidden information.

3D Runner Game: Broccoli Run

April 2017

- Selected for the top 10 list of a school-level hackathon involving 300+ people
- Implemented randomly rendered 3D map with barriers generated by pitch detection

Grubhub Database Re-engineering

Dec 2017

- Redesigned the conceptual and relational model of the Gubhub database
- Implemented the physical model and 10 queries based on innovative use cases

Pranti's Bakery Website Redesign

April 2017

- Improved the visual hierarchy of the website
- Redesigned the interface and added PA-oriented interactions using JavaScript

RELEVANT COURSEWORK

Intro to Machine Learning

Web Application Security

Artificial Intelligence

Modern Regression

Practical Data Science

Statistical Computing

Database Design and Development

Application Design & Development

SKILLS

Programming: Python, Ruby on Rails, R, C, Postgres SQL, Markdown, Reactjs, HTML, CSS

Tools: Git, Pandas, Hadoop, Scikit-Learn, TensorFlow, NumPy, Photoshop, Minitab, Visual Studio, Microsoft Office