Spencer Huang

(724) 732 - 4299 | spencerhuang.netlify.com | spencerhuang147@gmail.com | https://github.com/huangs1

EDUCATION

Carnegie Mellon University—Heinz College, Pittsburgh, PA   Dec 2021
Master of Information Systems Management   **GPA 3.56/4.0**
Concentration: Managing AI and Robotics
- Coursework: Distributed Systems for IS Management, Database Management, Statistics for IT Managers

Allegheny College, Meadville, PA   May 2020
Bachelor of Science: Applied Computing   **GPA 3.75/4.0**
Minor: Mathematics and Economics
- Coursework: Software Engineering, Robotic Agents, Artificial Intelligence, Algorithm Analysis, Data Analytics, Computer Organization, Operating Systems, Programming Languages
- Leadership: President of Fencing Club, Vice President of Computer Building Club

PROJECT EXPERIENCE

[python | facial recognition] Smile Detector   Spring 2019
- Developed a tool that detects smiles through webcam using OpenCV
- Used haarcascade data file as training data and Dropbox API to store results

[java | testing] Dungeon Crawler Game   Fall 2018
- Developed a command line based game using object oriented programming
- Used JUNIT testing suite and Gradle to establish confidence and execute the code, respectively

WORK EXPERIENCE

Systems Engineering Intern, Groupon, Pittsburgh, PA   May - Aug 2021
- **[aws cloud]** Engineered database performance testing through creation of PostgreSQL Amazon RDS instances
- **[UI/UX]** Expedited the time needed for employees to gain access to resources through overhauling a UI/UX redesign of an internal tool using Flask and jQuery
- **[documentation]** Produced documentation for all pain points and the development process related to the internal tool to ease transition for future engineers

Software Engineer Intern, C&IB Innovations Team at PNC Bank , Pittsburgh, PA   June - Aug 2020
- **[nlp]** Accelerated the time it takes to extract information from legal documents by 2 folds from developing and training a learning model using LexNLP and spaCy
- **[data analysis]** Reduced the time it takes to model for legal documents in the future by converting generic datasets to tailored datasets
- **[applied machine learning]** Implemented various prototype models for data extraction based on previous and ongoing researches which creates a basis for multiple possible research/development areas

Full Stack Developer Intern, Eanovation *(start-up home remodeling platform)*, San Mateo, CA   March - Aug 2019
- **[web design]** Built a new UI for the company's website which increased traffic by 30% using React
- **[web development]** Improved UX through enhancement of user functionalities using Django and React
- **[maintenance]** Identified and debugged website issues through constant testing

ADDITIONAL EXPERIENCE

Resident Adviser, Allegheny College, Meadville, PA   Aug 2018 - May 2020
- **[communication]** Applied interpersonal skills to build a community with residents while advising them on personal and academic issues.
- **[planning and management]** Supervised a floor of 24 residents and organized a diverse array of programming events that provided information about diversity, academics, engagement, and health.

SKILLS

Programming: Python (w/ framework of Django, Flask, Keras), JavaScript (w/ framework of React), Java, HTML
ML/AI: Linear Regression, Neural Network, Facial Recognition (w/ Haar Cascade), Natural Language Processing
Database: SQL (MySQL, PostgreSQL)