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, OOP for Java

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

[java | testing] Workout Simulator   Fall 2021
- Developed a GUI based workout simulator using object oriented programming
- Used JUNIT testing suite to establish confidence in code functionality

WORK EXPERIENCE

Software Engineer II, Groupon, Pittsburgh, PA   Jan 2022 - Present
- **[containerization]** Pioneered efforts for migrating our internal tool onto Kubernetes with Docker
- **[aws cloud]** Reduced cost by migrating on-premise servers to new AWS EC2 and RDS instances in alignment with cloud migration efforts
- **[integration]** Implemented/Integrated a SOX compliance bot with Slack and an internal reporting tool for new internal services
- **[scalability]** Engineered a prototype for a new internal tool using microservices for scalability

Systems Engineering Intern, Groupon, Pittsburgh, PA   May - Aug 2021
- **[performance enhancement]** Performed 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]** Shortened 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 user experience through enhancement/creation of user functionalities, such as resetting password, using Django and React
- **[maintenance]** Identified and debugged website issues through constant testing which reduced technical debt

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)
Systems: Spark, Hadoop