

Spencer Huang

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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: Object Oriented Programming Java, 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
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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
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WORK EXPERIENCE

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]** Converted generic datasets to tailored datasets which reduces the time it takes to model for legal documents in the future
- **[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
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ADDITIONAL EXPERIENCE

Graduate Teaching Assistant, Heinz College , Carnegie Mellon University

Aug 2020 - Present

- **[guidance]** Held office hours once a week to help students with any questions related to the subject
- **[open discussions]** Stimulated meaningful technology-related conversations between students
- **[administrative support]** Grade homework assignments and provide feedback to students identifying the areas of strengths and weakness

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.
 - **[report writing and documentation]** Handled crisis resolution along with proper documentation.
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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)