

Andrew Huang

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EDUCATION

University of Michigan, Ann Arbor. College of Engineering **September 2019- May 2023**

Major: Computer Science Engineering

GPA: 3.42

Certificates: Fundamentals of Deep Learning, Nvidia, Software Engineering Virtual Experience, JP Morgan Chase.

Relevant Coursework: Web Systems, Database Management Systems, Data Structures and Algorithms, Programming Paradigms, Introduction to Computer Security, Introduction to Computer Organization, Foundations of Computer Science, Computer Science Pragmatics, Discrete Mathematics.

SKILLS

Coding: C++, Python, Java, Go, HTML5, CSS3, SQL, Javascript ES6, Node.js, Matlab.

Technologies/Environment: Flask, Node.js, React.js, Springboot, AWS EC2, MySQL, Postgres, Heroku, Bootstrap, SASS, Windows, macOS, Linux, Microsoft Office Suite, Adobe Photoshop, Figma.

Languages: Native in English and Mandarin Chinese, Proficient in Spanish.

EXPERIENCE

JPMorgan Chase & Co. /Software Engineer Program Intern **June 2022 - August 2022**

- Won first place in the firm's innovation week hackathon by creating an app frontend with Figma and React.
- Completely revamped a testing utility that validates the data being sent by the firm's APIs by acting as a third-party app (e.g. Mint or Robinhood).
- Presented to various teams and directors including the Head of Technology for Chase Digital Banking.
- Wrote new documentation and setup guides for the easy continuation of development on the utility app.

IoT Nation/Data Engineering Intern **July 2021 - August 2021**

- Developed a company/organization name to domain converter application to be added to IoT Nation's leading suite of services
- Wrote web scraping scripts for IoT conference sites using selenium and beautifulsoup4
- Processed SEC data using Pandas to be added to the main company database

Research Assistant, Dr. Wei Lu, G.G. Brown Laboratory, University of Michigan **October 2019 - April 2020**

- Investigated methods to reduce the training data constraints on A.I. pertaining to street objects and vehicles
- Helped maintain a codebase on nano-particle self-assembly simulation
- Generated training data on street objects and vehicles for artificial intelligence

PROJECTS

JPMorgan Chase & Co. Code for Good Hackathon Project/Team Member **September 2021**

- Built an event coordination web application that helped women get more civic engagement opportunities.
- Built flask back-end, notified users of local events through email, and allowed users to join events.

Personal Website/Creator **November 2020 - Present**

- Designed and implemented website theme switch (midnight mode and sunset mode)
- Implemented complex on-scroll and other animations using Greensock Gsap and CSS
- Created an interesting statistics modal with Javascript, and a working contact form

ACTIVITIES AND LEADERSHIP

INvent/ Member **October 2019 - April 2020**

- Helped create python lessons for CS education in Michigan High Schools.
- Founding member of the local Michigan branch of INvent, dedicated to local CS education.