Andrew Huang

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EDUCATION

University of Michigan, Ann Arbor. College of Engineering   **September 2019- May 2023**
Certificates: Fundamentals of Deep Learning, Nvidia.   **Major:** Computer Science Engineering   **GPA:** 3.5
                    Software Engineering Virtual Experience, JP Morgan.
Relevant Coursework: Web Systems, Database Management Systems, Data Structures and Algorithms, Introduction to Computer Organization, Foundations of Computer Science, Computer Science Pragmatics, Discrete Mathematics.

SKILLS

Coding: C++, Python, HTML5, CSS3, Javascript ES6, Node.js, Matlab.
Technologies/Environment: Heroku, Bootstrap, SASS, Windows, macOS, Linux, Microsoft Office Suite, Adobe Photoshop.
Languages: Native in English and Mandarin Chinese, Proficient in Spanish.
Communication: Mentorship, Adept-writer, Team-oriented.

EXPERIENCE

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 main 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

Dragon Bowl Ramen/Front-End Developer   **April 2020 - Present**
- Designed and implemented prototypes for the main restaurant website using HTML5, CSS3, and Javascript
- Continue to update the website due to COVID-19 to reflect restaurant status
- Implemented basic functionalities to allow customers to contact the restaurant

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
- Wrote python script to aid in the use of deep learning at the laboratory
- Generated training data on street objects and vehicles for artificial intelligence
- Helped adapt a deep learning algorithm for the laboratory's specific research purposes

PROJECTS

Personal Website/Creator   **November 2020 - Present**
- Designed and implemented website theme switch (midnight mode and sunset mode)
- Implemented complex onscroll 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.
· Contributed to the process of making executive program decisions.