

# Andrew Huang

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## EDUCATION

**University of Michigan, Ann Arbor. College of Engineering (Computer Science Eng)** September 2019- May 2023

**Fort Hamilton High School, Honors Academy** September 2015- June 2019

**Certificates:** Fundamentals of Deep Learning, Nvidia.

Software Engineering Virtual Experience, JP Morgan.

## EXPERIENCE

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

- Investigate 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.

**NYC Center for Aerospace and Applied Mathematics, Manhattan, New York** July 2018

- Was selected for the program Earth Climate Institute and learned to make mathematical models based on NASA satellite data.
- Attended lectures given by NASA researchers who traveled abroad for their research about our planet
- Learned introductory astronomy and simulated a space mission to the international space station

## ACTIVITIES AND LEADERSHIP

**Dragon Bowl Ramen/Front-End Developer** April 2020 - Present

- Designed and implemented prototypes for the main restaurant website in HTML5, CSS3, and ES6.
- Continue to update the website due to Coronavirus to reflect restaurant status.
- Offered consulting services to head managers and investors.

**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.

**FHHS Engineering Club/ Founder and President** September 2018 - July 2019

- Created club presentations and taught lessons to improve STEM education in our high school.
- Managed and scheduled competitions and events as a way to strengthen the club.
- Set precedents for future engineering club executive boards and members.

## SKILLS

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

Computer: C++, Python, HTML5, CSS3, Javascript ES6, Node.js, Matlab, Microsoft Office Suite, Video, and Photo Editing.

Communication: Mentorship, Writer, and Team-oriented.

## INTERESTS

Web application development— human-technology interaction — Machine Learning & AI — Scientific News — Asian and American politics — Tutoring & Community Service — Leadership—Photography