Brian Wang

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Education

University of Michigan - Ann Arbor   September 2019 – Present

- Courses taken/ taking: EECS 493, 481, 281, 370, 280, 270, 201 Math 216, 217.

University of Wisconsin - Madison   September 2018 - August 2019

- University Honors: Dean's List (2018 fall, 2019 spring), Ingersoll Prize for Best Work in Physics, Honors program in L&S

STEM Experience

Secure Cloud Manufacturing Lab   **University of Michigan – Ann Arbor**

Cyber & Security subteam lead   September 2019 – present

- In charge of developing applications to digest big data generated from testbeds using Apache Spark
- Work with simulation subteam to provide an interface for which other data analytics applications can utilize
- Future work involves adding streaming attributes to the application currently developing, enabling real-time processing

Zigui Software Development Division   **Advantech Co. Ltd (Shanghai)**

Industrial Computer Software Developer   May 2019 – July 2019

- Developed information collection and management software for food manufacturing industries, the software collects information from streamlines, and provides data analysis to the industry manager on a designated webpage
- Responsible for the backend developing of the software using C# programming, and updating the database
- Gained first step knowledge of how industrial software work in complex factory settings
- The software has been adapted to Lvjie food manufacturing company.

Directed Reading Program   **University of Wisconsin - Madison**

Group member   September 2018 – May 2019

- Gained solid skills in linear algebra by studying Linear Algebra Done Right under the guidance of a graduate student
- Explored graduate level topics in linear algebra
- Gave a speech about the application of incidence matrix in electric circuits at the end of the program

Achievement Connections Program with AmeriCorps   **University of Wisconsin - Madison**

Math tutor   September 2018 – May 2019

- Tutored high school students in Madison West High School and prepared the tutee for academic success in algebra and geometry
- Cooperated with program coordinates to renew test bank and manage tutee records

Institute of Electrical and Electronics Engineers   **University of Michigan - Ann Arbor**

Group member   September 2019 - Present

- Participate in IEEE professor speaker series to gain insight of computer technologies
- Learn about the technological trends from guest engineers from industries

Cross-Cultural Experience

Sino-Japanese University forum   August 2017, August 2018

- Representative of Shanghai High School
- Participated in student cultural exchange events and spread forum's ideas to Shanghai High School

ELI Conversation Circles at Michigan   September 2018 - Present

- Practice oral English with native English speakers
- Learn more about the U.S. culture

Miscellaneous

Programming: Java, C++, Python, C#, Matlab, SQL, HTML, CSS, Javascript
OS: Windows, Linux, Ubuntu
IDE: Visual Studio, Eclipse, IntelliJ
Languages: English(proficient), Chinese (native), Japanese (proficient)
Math: AMC 12 top 5% worldwide distinction, Euclid top 2% worldwide