

EDUCATION

University of Michigan

Expected May 2022

B.S. in Engineering, Computer Science

Ann Arbor, MI

Coursework: Data Structures and Algorithms, Programming and Data Structures, Accel. Intro to Programming, Discrete Math, Intro to Engineering: Self Driving Cars and Drones, Linear Algebra, Multivariable Calculus

EXPERIENCE

Brooks Automation

May 2019 – Aug 2019

Software Engineering Intern – Life Sciences Team

Chelmsford, MA

- Worked on development and continuous updates of controller software for automated cryogenic freezers.
- Implemented C# code for new freezer functionality using Model-View-ViewModel design pattern.
- Created password length security feature in SQL Server and connected it to validator in the UI.
- Debugged software issues by tracking location of error in project codebase and implementing fixes.

Brooks Automation

Jun 2018 – Aug 2018

Software Engineering Intern – Life Sciences Team

Chelmsford, MA

- Redesigned windows in user interface using WPF and Telerik UI for improved navigation and control.
- Tested software system for errors and reported bugs with Team Foundation Server for quality assurance.
- Enhanced and fine-tuned user experience of the Ultra Store Controller for intuitive operation.

Bedford Kumon Center

Jul 2017 – Mar 2018

Assistant Instructor

Bedford, NH

- Graded classwork and homework, as well as tutored 20+ students (K-12) in math and reading.
- Organized and sorted students' worksheets, and recorded scores to content management system.

ACTIVITIES

Alternate Reality Initiative

Sep 2018 - Present

Core Member

Ann Arbor, MI

- Learn and implement Augmented/Virtual reality technologies using tools such as Oculus and Unity engine.
- Create engaging applications including a marker-based AR miniature maze and VR basketball game.

Michigan Hackers

Jan 2019 - Present

iOS Team Member

Ann Arbor, MI

- Learning Swift and Xcode for developing and deploying mobile iOS applications to the App Store.
- Designing and implementing gamified iOS app based on covertly taking photos of opponents.

AWARDS

American Computer Science League

Jun 2018

- International series of contests testing theoretical and applied CS concepts and programming skills.
- Placed 1st individually in Northern Senior-3 division with (39/40) score, overall top 12 in the world.

National AP Scholar

May 2018

- Scored 4+ on 8 exams, including Computer Science A (5), Calculus AB/BC (5), and Statistics (5).

National Merit Scholar

Mar 2018

- Scored in top 1% of PSAT's (1500/1520), achieved finalist status, and won \$2500 scholarship.

SKILLS

Languages: C++, C#, Python, Java, JavaScript, MATLAB, HTML/CSS

Technologies: Xcode, Visual Studio, VSCode, VirtualBox, Linux, Git