

# MAX HERZ

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## SUMMARY

Highly motivated computer science student seeking impactful software development opportunities. Looking for a challenging and energetic work environment to make a positive impact and further develop my technical skills.

## EDUCATION

### **The Ohio State University | Computer Science | Current GPA 3.5**

**Expected Dec. 2021**

Columbus, OH

- Pursuing B.S. in Computer Science and Engineering with a minor in Business.
- Key Coursework – Software development, data structures and algorithms, web applications, operating systems, team engineering projects, leadership and character, and technical communication.

## EXPERIENCE

### **Carfax**

#### **Consumer Software Development Intern**

**Starting May 2020**

Sterling, VA

### **CACI**

#### **Software Development Intern**

**May 2019 – Aug. 2019**

Sterling, VA

- Developed extensive Python code with an emphasis on software design and code reusability.
- Maximized usability of new libraries written in support of high-profile and mission critical products.
- Interfaced with non-technical customers on cross-functional projects to gather requirements and develop accordingly.
- Exposure to networking tools including TCP, UDP, basic client-server protocol, and SSH in Red Hat environment.

### **Carfax**

#### **Project Management Intern**

**May 2018 – Dec. 2018**

Centreville, VA

- Coordinated with managers and developers using Scrum methodology to execute on software development projects.
- Manipulated Tableau dashboards and other data tools to analyze, calculate, and display valuable business analytics including \$100,000+ monetary fraud identification and elimination.
- Utilized service desk software to problem solve technical iOS application issues with sales representatives in the field.

### **Simply Wireless**

#### **Software Development Intern**

**Jun. 2016 – Sept. 2016**

McLean, VA

- Developed multiple website platforms using HTML and CSS to improve usability and traffic.
- Effectively reviewed and debugged back-end site code in C# to enhance efficiency and patch bugs.
- Implemented new coding techniques with a professional team to standardize implementation and documentation.

## PERSONAL PROJECTS

- *High Altitude Near Space Balloon, 2019:* Successful preparation, launch, and recovery of homemade payload designed to photograph the Earth. Payload reached an altitude of ~75,000ft.
- *Sorting Comparison (Java), 2019:* Software uses multiple sorting algorithms on the smaller subset of data and records the time of each algorithm. Used to determine the theoretically optimal algorithm to sort the full data set. Project focused on scalability and speed.

## SKILLS

**Programming Languages:** Proficient in: Java, Python. Familiar with C, Dart, HTML/CSS, x86 Assembly, JavaScript, Ruby. Strong interest in learning additional languages and technologies.

**Development Tools:** Git, Linux/Unix, AGILE/Scrum, TDD, JIRA.

## INVOLVEMENT

- *Project Lead, Engineers for Community Service:* Responsible for setup, coordination, recruitment, and execution of technology help sessions at a senior center. Recently featured on Fox news broadcast.
- *Developer, Code 4 Community:* Developed JavaScript code for student organization focused on utilizing technology for youth education and community improvement.