

# MAX HERZ

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## SUMMARY

Highly motivated engineering student seeking additional software development experience. Personal, professional and academic interest in applying technology – from optimizing functionality of programming applications and developing efficient code, to building high altitude balloons, drones, and computers. Adept at working with people of diverse backgrounds and technical expertise. Looking for a challenging and energetic work environment to make a positive impact and further develop my technical skills.

## EDUCATION

### Ohio State University | Engineering | Current GPA 3.4

**Expected May 2021**

Columbus, OH

- Pursuing Bachelor of Science degree in Computer Science with a minor in Business.
- Key Coursework - Semester long team engineering projects, leadership and character, software development courses, algorithms and data structures, technical communication, and Assembly/C.
- Project Lead - Engineers for Community Service: Responsible for setup, coordination, recruitment, and execution of technology help sessions at a senior center.
- Developer - Code 4 Community: Developed code for student organization focused on utilizing technology for community improvement.

## EXPERIENCE

### CACI

**May 2019 – Aug. 2019**

#### Software Development Intern

Sterling, VA

- Developed extensive Python code with an emphasis on API design and object-orientation.
- Maximized usability of new libraries written in support of high-profile 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

**May 2018 – Dec. 2018**

#### Project Management Intern

Centerville, VA

- Coordinated with managers and developers using Scrum methodology to execute on technical projects.
- Manipulated data tools to analyze, calculate, and display valuable business analytics including six figure monetary fraud identification and reduction.
- Utilized service desk software to problem solve technical iOS application issues with sales representatives in the field.

### Simply Wireless

**Jun. 2016 – Sept. 2016**

#### Software Development Intern

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*: Successful preparation, launch, and recovery of homemade payload designed to photograph the Earth. Payload reached an altitude of ~75,000ft.
- *Sorting Comparison (Java)*: Given a large amount of data, proportionally pick a specified number of elements. Software uses multiple sorting algorithms on the smaller subset of data and records the time of each algorithm. Used to theoretically determine the optimal algorithm to sort the full data set. Project focused on scalability and speed.
- *Tanzania Volunteer Trip*: Assisted in English education and construction projects. Climbed Kilimanjaro - the world's tallest free-standing mountain.
- *Workout Mobile App (Dart)*: In progress. Flutter workout app designed for both iOS and Android.

## SKILLS

**Programming Languages:** Java, Python, Dart, HTML/CSS, JavaScript. Strong interest in learning additional languages.

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