MAX HERZ

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EDUCATION

The Ohio State University | Computer Science | Current GPA 3.52

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, computer networking, introductory AI, team engineering projects, leadership and character, and technical communication.

EXPERIENCE

Americorp
STEM Educator

May 2020 – Aug. 2020
Fairbanks, AK

- Responsible for STEM education of youths aged 7-12 at the Boys and Girls Club of Fairbanks.
- Taught recurring education sessions on computer science fundamentals, mathematics, and biological sciences.
- Service focused on community development among diverse lower income communities.
- Original technical internship offer was cancelled due to Covid-19.

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.

PERSONAL PROJECTS

- *Spotify Playlist Analyzer (Python), 2020:* Django web application for analyzing Spotify playlists. Given a playlist URL, script uses HTTP queries to Spotify's API to find interesting metrics including song danceability and energy. Outputs playlist average and outlier song statistics as well as percentiles calculated from published distributions. Can be found at *playlister.maxherz.org*
- *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.

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 28 news broadcast.
- *Developer, Code 4 Community:* Developed JavaScript code for student organization focused on utilizing technology for youth education and community improvement.