

Mira Hiser

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EDUCATION

The Ohio State University, Columbus, OH

B.S. Computer Science and Engineering

Fall '17 - Spring '20

Bowling Green State University, Huron, OH

B.S. Computer Science

Fall '15 - Spring '17

Dean's List: Fall '15, Spring '16, Fall '16, Spring '17, Spring '18

WORK EXPERIENCE

Apple, Sunnyvale, CA

May-August '19

Software Engineering Intern

- Played a key role in writing a Swift-based iOS app for mission-critical and world-impacting process related to operating system updates.
- Developed a REST module as the core to communicate with the server, which also enabled the app to send logs to Splunk HEC.
- Designed and prototyped SwiftUI-based views for next generation app.

NASA's Johnson Space Center, Houston, TX

August - December '18

Human Interface Developer of the HIVE (Human Integrated Vehicles and Environment) Intern

- Collaborated in developing responsive platform-independent user interfaces designed to support customizable web-based displays for long-duration space missions.
- Applied software development skills such as HTML, CSS, JavaScript, Web Components, and used GitHub workflow for collaboration with my team.
- Improved existing codebase by contributing to code maintenance and bug fixes.
- Aided in integrating an existing MATLAB program into Orion's orbital mechanics simulation, which shows Orion's flight path throughout EM-2 during abort scenarios.
- Helped to maintain a bicycle tracking system that increases environmental stewardship and is more cost efficient.

L Brands, Mast Global Technologies, Columbus, OH

May - August '18

Information Security Compliance Intern

- Applied Static Application Security Testing to work with testers, front end, and back end teams to scan their code in Java, Swift, JavaScript, and Go, identify false positives and eliminate vulnerabilities according to OWASP top 10 and CSC Top 20.
- Improved team's project allocation and reporting using SQL and information from the company's database.
- Analyzed and visualized security-related data using Python, NumPy, and Pandas.

PROJECT EXPERIENCE

Buckeye Space Launch Initiative | Member, Telemetry Team

Spring '18 - current

- Developed a custom flight computer for a rocket that will compete at the Spaceport America Cup.
- Self-taught topics such as Python and pySerial to be able to read data from the rocket sensors.

HackOHIO 2017 Hackathon | Participant

October '17

- Developed a first-person maze traversal game, "Amazeballs", team of 4.
- Self-taught topics such as Unity and C# to become familiar with game development.

HONORS & ACTIVITIES

- Attendee, Apple Worldwide Developers Conference 2019
- Committee Chair, NASA on Campus intern committee, Fall '18
- Participant, NASA's JSC Hackathon, September '18, DataFest Hackathon, April 2018
- Member, Association for Computer Machinery on Women, American Institute of Aeronautics and Astronautics
- Secretary, Bowling Green State University math club, Radical Rogues, Fall '15 - Spring '17
- Mentor, High School I/O 2018 Hackathon, March '18, Code I/O, March '19
- Volunteer, CodeMash 2017, Make OHIO 2018 Hackathon, High School I/O 2018 Hackathon, DataFest 2019

SKILLS

- **Proficient:** Java, Swift
- **Prior Experience:** C++, Python, C#, R, SQL, JavaScript, Ruby, Ruby on Rails, HTML, CSS, Objective-C
- **Tools:** JIRA, Salesforce, Sharepoint, Unity, Git, RStudio, Checkmarx, Jupyter, Xcode, Charles Proxy
- **Languages:** Russian, Ukrainian (native speaker)
- **Certifications:** NAUI open water scuba diver