

Jessica Robinson

jr010014@ohio.edu
330-605-2340

A multi-faceted developer whose skills synergize technology and the arts.

Technical Skills

Unity and Virtual Reality Development
Programming skills in C++, C# and MATLAB
Maya, Adobe After Effects, Adobe Photoshop, Final Cut Pro

Installation and maintenance of technical equipment
Multisim, Solidworks, and AutoCAD

Professional Experience

Game Research and Immersive Design (GRID) Lab – Athens, Ohio ----- August 2018 to Present
Virtual Reality Developer

- Developing C# scripts for player controls and creating level designs for a Child's Fortress virtual reality game
- Developed C# scripts for autonomous navigation of characters in Unity for a virtual reality experience, *Rukwa Rift*

Ohio University Avionics Engineering Center Lab – Athens, Ohio ----- March 2017 to Present
Research Assistant

- Investigate point cloud data visualization in virtual reality through drone and LiDAR technologies
- Design and facilitate own work tasks through self-management
- Gain hands-on experience in a workshop environment with 3D printing, soldering, electronics, drone flight, and programming

Teaching Assistant

- Facilitate the laboratory/recitation portion of the junior level microcontrollers and electromagnetics courses
- Ensure the confidentiality of student's work and grades

Rockwell Collins – Cedar Rapids, Iowa ----- May 2018 to August 2018

Technical Intern

- Developed the Interface Control Document for requirements and functionality of the Military GPS User Equipment (MGUE) program
- Executed functional tests for the airborne GPS Receiver Application Module (GRAM-S/M) and communicated with customer on the status of the results
- Verified fluent traceability between System/Subsystem Design Document, Performance Specification Document, and customer contractual documentation

Ohio University Event Services – Athens, Ohio ----- August 2014 to September 2017

Assistant Technical Coordinator & Event Technician

- Redesigned and implemented the student training program
- Served as a communication liaison between student staff and faculty on a weekly basis
- Worked one-on-one with clients as a dedicated technician on a weekly basis for special events
- Organized, maintained, and inventoried Event Services production department equipment
- Self-taught new skills with other employees that are beneficial for the workplace
- Remodeled technical equipment throughout Baker University Center
- Troubleshot technical issues and advised clients on AV needs in outdoor, theater, ballroom, small and large stages

• Education

- Ohio University 3.68 GPA – Athens, Ohio
 - Bachelor of Science in Communication in Integrated Media----- 2014 to Present
 - Bachelor of Science in Electrical Engineering ----- 2015 to Present
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Involvement

FAA Joint University Program

- Participate in meetings on avionics research with the FAA, MIT, and Princeton graduate programs

Volunteer Study Session Leader for Intro to Electrical Engineering course

- Lead students through problem solving techniques and promote good study skills

Amateur Radio Operator KE8HRJ and Vice President (August 2018-Present)

- Helped reunite Ohio University's local chapter of amateur radio

IEEE Secretary (2016-2017)

- Helped organize the annual Student Professional Awareness Event
- Designed t-shirts for organization

She Leads OHIO Certificate

- Completed a professional development program targeted for women overcoming hurdles in the workforce