

Craig Harrison

Education

University of Cincinnati – Cincinnati, OH

College of Engineering and Applied Science –
2013 to present

Major: Computer Science, Class of 2018

GPA: **3.1**

Skills

- C++, Java, Python, Native Application Development with JavaFX, Android Development, Responsive Web Design, Data Visualizations, GitHub

Experience

Ball Aerospace – Fairborn, OH 45324

- Using D3.js, I designed and implemented custom visualization to view course of actions (COAs) inside our analysis COA generation tool.
- Helped develop/implement algorithms for custom cyber physical system graphs in order to rank them. I also created custom visualizations to visualize these graphs and interact with them in order to gain more insight.
- Created a Java API for embedding custom web visualizations in JavaFX WebViews. Complete with event callback and data transfer between the web visualization and Java application code.
- Utilized Principia Modeling & Simulation tool to create automated courses of action to observe anomalous space objects with the best possible available ground sensor
- Developed embedded secure system on Xilinx Zedboard, 702 board using SierraWare hypervisor. Adapted Flight Management System (FMS) software binary to run in a QEMU-emulated PowerPC environment

Air Force Research Laboratory (AFRL) – Wright-Patterson AFB, OH 45433

- Full time summer Research Assistant at the Wright-Patterson Air Force base. Co-authored STEM curriculum used nationwide while collaborating with Air Force scientists and engineers. –Summer of 2012
- Oak Ridge Institute for Science and Education second year Wright Scholar and mentor for incoming high school interns. Led a team of interns to develop both software and hardware for use in the Department of Defense –Summer of 2013

Chief Design Officer of SkillConnect.Jobs (<https://www.skillconnect.jobs>)

- Cofounded a company dedicated to connecting skilled talent with great companies with two of my co-workers from Ball Aerospace.
- Designed and implemented entire front-end.