



Aaron Wells

Software Engineer

Languages

C/C++



Python



Java

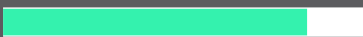


Javascript



Tools

Git



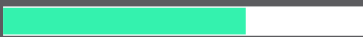
Make/CMake



OpenCV

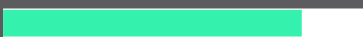


Qt

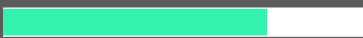


Platforms

Linux



Windows



ATxmega



Android



Active DOD Clearance
Dumfries, VA
804.432.0272
wells.aaron.j@gmail.com
ajwells.github.io

QinetiQ

2017-Present

Embedded Software Lead

- Real time acquisition and processing of data from various sensor systems in C++ on embedded linux platforms
- Designed and implemented firmware for embedded ATxmega control modules in C
- Software lead for integration efforts with hardware and electrical teams
- Created test GUIs in python using PyQt
- Supported field testing and integration efforts including sensor operation
- Helped design and architect projects including writing interface control and software design documents
- Participated in project proposals including presenting software designs to customers
- Created hardware checkout and test procedures used during integration and testing
- Aided the software teams integration of assorted configuration management tools (Git, Jira, Confluence)
- Iterfaced with customers and subcontractors for design and implementation details

College of William & Mary – Williamsburg, VA 2017

MS Computer Science (GPA 3.9)

- Indoor Bluetooth based “wall aware” localization (BlueWall)
- Mobile sensor based CAPTCHA system

College of William & Mary – Williamsburg, VA 2016

BS Computer Science (Magna Cum Laude)

- NASA Robo-Ops: Designed and implemented vision and sensor system for telerobotic rover
- Dean’s List

Data Driven Delivery Systems Summer 2015

Reporting Analyst

- Automated data collection and processing in VB for accurate and on-time project delivery

Bucknell University – Lewisburg, PA 2014

- NCAA 1AA Football and Track and Field
- Patriot League All-Academic Honor Roll