

AARON WELLS, MS*

Williamsburg, VA • 804.432.0272 • wells.aaron.j@gmail.com
ajwells.github.io • linkedin.com/in/aaronjwells • github.com/ajwells

INFORMATION TECHNOLOGY DEVELOPER/ANALYST

SOFTWARE ENGINEERING ~ IT PROJECT EXECUTION

Application Software

Report Development

Embedded Software

Security

Web Development

Game Development

Firmware

Networking

Analytical and highly adaptable with experience developing, testing and deploying solutions aimed at improving quality, efficiency, and financial return.

Skilled in aligning end-user and client needs with long-term solutions.

Focused on identifying, isolating and resolving technical issues.

Accomplished communicator skilled in building relationships across functions to drive strategic and effective technology solutions.

Strong knowledge and comfort within Microsoft-based environments.

Programming Languages

Agile and Scrum PM Methodologies

Technical Troubleshooting

Quality Assurance

Client Service

Cross-Team Collaboration

EDUCATION AND ACHIEVEMENTS

COLLEGE OF WILLIAM AND MARY, Williamsburg, VA

MASTER OF SCIENCE, COMPUTER SCIENCE, EXPECTED MAY 2017* (GPA 3.9)

Coursework: Software Engineering, Database Systems, Systems Programming, Advanced Computer Architecture, Analog and Digital Electronics, Network Security, Advanced Computer Networking, Operating Systems,

Research: Bluetooth Indoor Localization; Telerobotics prototyping with NASA Langley; Mobile sensor based CAPTCHA

COLLEGE OF WILLIAM AND MARY, Williamsburg, VA

BACHELOR OF SCIENCE, COMPUTER SCIENCE, 2016

(Magna Cum Laude; Dean's list)

BUCKNELL UNIVERSITY, Lewisburg, PA

COURSEWORK TOWARD BACHELOR OF SCIENCE, COMPUTER SCIENCE AND ENGINEERING, 2014

(Engineering Dean's List; Patriot League All-Academic Honor Roll; NCAA Div. 1A Football and Track and Field)

ACADEMIC PROJECTS

NASA Robo-Ops 2016: Designed and implemented the vision and sensor system for the NASA team's Mars tele-robotic rover; aided in the creation of the dashboard for the sensor and video data to be displayed

AWARDS AND DISTINCTIONS

Game Design 2015: Game voted #1 by students and professionals in the gaming industry

Makerspace User, 2014 – Present

TECHNOLOGY PROFICIENCIES

Languages: Python, C, C++, Java, JavaScript, Bash, SQL, Processing, VBA, Verilog (HDL), Go, MATLAB

Development Tools: Eclipse, Atom, Visual Studio

Databases: PostgreSQL, MySQL

Software: Arduino, Microsoft Office, Autodesk Fusion 360

Tools: Git, MPI, OpenMP, LaTeX, Make, Vim, GDB, SVN, Valgrind

Operating Systems: Windows, Linux, Android

PROFESSIONAL EXPERIENCE**DATA DRIVEN DELIVERY SYSTEMS, LLC • New York, NY****5/2015 – 12/2015****DATA ENTRY AND REPORTING ANALYST INTERN**

Hired as data entry intern, but after demonstrating data automation excellence, was asked to lead critical client-facing project. Interpreted data, analyzed results, and developed an automated solution to optimize efficiency and quality. Was subsequently asked to expand responsibilities to provide analysis and reporting assistance for clients. At end of internship, was requested by leadership to continue to work through end of the year and consider full-time employment versus pursuit of Master's degree.

- **Efficiency & Quality Improvements:** Evaluated existing data collection and processing to determine areas for improvement. Developed and deployed a data automation solution which increased productivity from 500 to 1,600 units of work and saved \$3,840 labor costs per day, resulting in overall project cost reduction of \$115,200. Data automation was instrumental in ensuring project delivered to client on-time.
- **Report Development:** Delivered critical client reporting solutions, as Reporting Analyst Intern, following expanded role and responsibilities. Company inquired about permanent full-time employment. However, was committed to continued pursuit of Masters of Science.
- **Client Service:** Delivered superior customer service through responsive interfacing, problem assessment, and comprehensive follow-up.
- **Project Management:** Integral participant in cross-functional team to meet client deliverables; delivered recommendations for solutions and improvement; led meetings and presented information via webinar.

SWIM METRO • Richmond, VA**4/2015 – 8/2015****POOL MANAGER**

Oversaw and managed operations, related maintenance, aquatic programs, special events and aquatic personnel, including 20 lifeguards.

- **Operations Management:** Accountable for managerial responsibilities of swimming pool operations, ensuring facility was open and closed per facility schedule and based on inclement weather, mechanical failures, or other incidents. Primary focus on ensuring good guest relations and 100% safety to staff and the public.
- **Team Leadership:** Responsible for training, supervising, and leading their staff team in superior levels of guest service and engagement.

BUCKNELL UNIVERSITY • Lewisburg, PA**12/2013 – 5/2014****COMPUTER SCIENCE TEACHING ASSISTANT**

Enhanced professor's effectiveness by grading homework and grading programming projects. Performed advanced administrative and support tasks related to lectures, keeping grades, and helping maintain information as course progressed. Improved time conservation by reading, researching, and managing numerous critical and confidential projects; collecting and analyzing information; and troubleshooting technical issues. Served as trusted liaison between students and professor.

- **Leadership:** Independently led sessions to assist students with comprehension of difficult concepts, theories and material.
- **Collaboration:** Worked closely with teaching assistant peers to advocate for students and successfully advance students to next educational phase.