JEFFREY CAVE

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OBJECTIVE

Upcoming computer science graduate looking for a career in the Software Engineering field.

PROFESSIONAL EXPERIENCE

ASRC Federal Mission Solutions Moorestown, New Jersey
Configuration Management Intern May 2018—Present

Worked with AFMS in a CMMI level 5, secret environment on the Aegis Ballistic Missile Defense System. Mentored in Configuration Management, Quality Assurance, and Element Configuration Management. Learned processes used to maintain deliverable software products, set up Jenkins continuous integration tool to automate the build process for WCS, contributed to legacy build scripts, audited quality assurance loads, and learned how to work in a secret, technical, collaborative work environment. Obtained final secret clearance from AFMS in April 2018.

Rutgers University Camden, New Jersey
Undergraduate Researcher May 2017—May 2018

Conducted research on Computational Geometry under the direction of Dr. Suneeta Ramaswami. Contributed by writing programs and sharing theoretical knowledge. Collaborated on a program that clipped acute angles from large polygons which was needed to test an efficient algorithm for triangulating polygons.

TECHNICAL KNOWLEDGE

Languages and Tools
C, C++, Python, Java, Ksh/Bash/Csh, JavaScript, HTML/CSS, Git, Jenkins, ClearCase, TCP/IP, FindBugs, Clearquest

Linux
Significant knowledge and understanding of the Linux operating system. 4+ years of experience using, installing, and configuring a variety of distributions (Ubuntu, Debian, Fedora, Arch, OpenSUSE, RHEL, etc.) and assisted AFMS with establishing compatibility of build scripts with Linux.

Projects

- **Multithreaded TCP/IP Chatroom**—Used client/server architecture to create a chatroom in C. Supports multiple client connections, creation of additional rooms, maintenance of chat history, etc. Required the use of multithreading and networking knowledge.
- **User Level Thread Implementation—**Used C to create an implementation of multithreading. This library closely resembles the posix threading library and includes support for mutexes. Learned about signal handlers, timers, and the underlying mechanics of multithreading.
- **Portfolio**—Basic HTML/CSS and JavaScript to create jcavejr.github.io. Created to learn JavaScript for another project and to display other projects.

Github
Extensive use of Github for team collaboration and version control. Hosted a Github workshop for Rutgers Camden Association for Computing Machinery. Maintain private Github repositories for each CS class taken.

EDUCATION

Rutgers University Honors College Camden, NJ
B.S. in Computer Science September 2016—May 2019
GPA: 3.9
President of Association for Computing Machinery September 2017—August 2018