

## Cody Robert Deeran

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### Objective:

Seeking acceptance into The University of Arizona Electrical & Computer Engineering Graduate Program

### Education:

Bachelor of Science in Computer Science  
University of Arizona

December 2017  
GPA: 3.29

### Experience:

#### Raytheon Missiles & Defense

Senior Software Engineer

Tucson, Arizona  
2018 - Present

#### *Embedded Software Engineering*

Collaborated in the architecture, development, testing, integration, and data analysis of multi-threaded RTOS embedded software applications for United States Navy mission-critical programs. Applications included Active and Semi-Active Radar Processing, Uplink/Downlink Communication, Reprogramming and Secure Boot written in C/C++. Created and maintained software requirements and Interface Design Documents (ICDs) for software applications.

#### *DevOps*

Established DevOps release processes using CI tools Azure DevOps (aka Microsoft Team Foundation Server), Jenkins, IBM's Rational Team Concert (RTC), and Klockwork. Contributed to the development and maintenance of an in-house automation suite written in Python to relieve bottlenecks in the continuous integration and development process.

#### *Leadership*

Represented Raytheon at numerous field-testing events, presentations, and data analysis reviews as a Subject Matter Expert, including interfacing with the customer, business partners, and competitors. Scrum master of three teams focusing on software development and integration. Duties include leading the daily standup, leading program daily shift handover and hardware station scheduling, backlog management, sprint planning, collaborating with Product Owners and Program Managers to ensure a successful path forward towards program and company goals. Represented the Software Engineering Center as an Ambassador for Raytheon providing site tours, interview screening, onboarding, and mentorship to new hires.

#### IBM

Intern/Co-op

Tucson, Arizona  
2015 - 2017

#### *Test Automation*

Develop, test, and fix cross-platform automation testing tools written in Java for IBM Spectrum Protect software. Used Eclipse IDE to develop, compile, and deploy tools. Built and executed test cases using a component-based automation tool called the Creation Center

#### *System Verification Tester*

Manually verified the output and performance/operation of IBM Spectrum Protect software on Windows, HP-UX, Sun Solaris, pLinux, and xLinux Servers. Performed creative testing to find high-priority defects against Spectrum Protect.

#### Hack Arizona

Director

Tucson, Arizona  
2015 - 2017

The largest Hackathon in the Southwest hosted over 1000 participants at The University of Arizona. Duties included planning, logistics, media, sponsorship coordination, and mobile app development.

### Skills:

Python, C, C++, Real-Time Operating Systems, GIT, Test Driven Development, DevOps, Object-Oriented Programming, Linux Systems, Jenkins, Azure DevOps Server