Robert Borrelli

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# Objective

Leveraging my extensive experience in software development and engineering to contribute effectively to Leidos' cryptographic key management program as a Software Engineer. Utilizing my skills in Java, Python, C/C++, and agile methodologies to drive innovation and efficiency.

# Education

**Master of Science in Artificial Intelligence and Machine Learning**  
Drexel University - Philadelphia, Pennsylvania  
Graduation Date: Sept 2021 – Present

**Bachelor of Science in Computer Engineering**  
Drexel University - Philadelphia, Pennsylvania  
Graduation Date: Sept 2014 – June 2019

## Relevant Coursework

Data Structures & Algorithms, Systems Programming, Parallel Architecture

# Professional Experience

**Computer Engineer – Automated Test Equipment - Naval Air Systems Command**  
June 2019 – Present | Lakehurst, NJ

* • Developed user-friendly GUI application for smart-card authentication of Linux-based machines using Python’s PyQt library, significantly lowering cybersecurity risks.
* • Utilized Bash PKCS commands to map smart-card certificates to user accounts.
* • Designed and performed unit testing of signal adapters in C# for electronic Consolidated Automated Support System (eCASS) and other Navy automated test equipment.
* • Assisted in Engineering Investigations, Testing, and Repair of Navy automated tested equipment, improving operational efficiency and safety.
* • Upgraded resistor array of Fleet-Issued Diagnostic Avionics Testers for better heat management.
* • Contributed to schematic development and repair of Air Refueling System Test Set, enhancing the Navy's troubleshooting capabilities.

**Desktop Support Analyst Intern – IT Support Team - Bayada Home Health Care**  
Sept 2015 – Mar 2016 | Langhorne, PA

* • Provided hardware, software, and network support to employees, resolving a high volume of technical issues.
* • Tested cloud backup software and distributed software through Dell's KACE database.
* • Diagnosed and replaced hardware of company desktops and laptops, ensuring minimal downtime.

# Projects Experience

**Hippotherapy Monitor - Drexel University**  
Sept 2018 – June 2019 | Philadelphia, PA

* • Collaborated with Occupational Therapists to develop a pressure monitoring device for hippotherapy treatment.
* • Utilized Python and Arduino to collect and output sensor data, aiding in hippotherapy saddle design and improving patient treatment outcomes.

# Skills

Languages: Python, C, C++, Java, C#, Bash, Matlab | Technologies: Microsoft Azure, Git, Visual Studio, Linux Redhat Enterprise, LabVIEW, Eclipse | Development Practices: Sound software development principles, Agile methodologies, DEVOPS practices, Behavior Driven Development (BDD) | UI Development: PyQt, XHTML, HTML, XML, XSLT | Databases: SQL, Postgres, Oracle | Scripting: PerL, PowerShell, VBS |

# Certifications

CompTIA Security+, IPC J-STD-001 Soldering

# Security Clearance

Active TS/SCI with Polygraph

# Professional Summary

Highly skilled Computer Engineer with a robust background in software development, user interface design, and automated testing equipment. Proficient in various programming languages and adept at utilizing agile methodologies to deliver high-quality, secure, and efficient software solutions. Strong track record of problem-solving and independent thinking, alongside effective collaboration within teams.

# Commitment to Excellence

Dedicated to contributing to national security through innovative engineering solutions. Eager to join Leidos and support its high-performing agile team in delivering significant advancements within the cryptographic key management program.

# Application Date

Original Posting Date: 2024-03-11

# References

Available upon request