Loren Caleb Baum

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(937) 896-7845
Fairborn, OH

Skills

- Rust
- Java/Kotlin
- Python
- Android Development

- Linux Systems
- C++
- C#
- JavaScript

- Protobuf
- VHDL
- TS Clearance

Experience

02/2020 – Present   **Cyber Security Engineer** | KBR (Centauri)   Dayton, OH
- Work on various research and development projects aimed at furthering the capabilities of the USAF
- Assist in developing and maintaining a Python based PDU software.
- Develop a rudimentary lexer/parser for the PDU software
- Use Rust to develop protocol decoding and encoding software
- Debug and update a Python app used to write/read the EEROM of serial communication device

01/2019 – 02/2020   **Associate Software Engineer** | Ball Aerospace   Dayton, OH
- Developed new applications and features for various systems for AFRL customer using Java/Kotlin and C#
- Independently deployed and maintained a website on AWS servers for active use by customer
- Interacted directly with the customer to gather requirements and feedback on products
- Developed and maintained an interconnected app suit

01/2018 – 12/2018   **Software Engineering Aide** | Radiance Technology   Dayton, OH
- Integrated models into simulation platform using C++/Python and Matlab
- Automated processes for test creation and documentation using Python
- Developed reverse engineering skills
- Improved documentation for procedures within WREN Lab

08/2013 – 08/2019   **Cyber Surety Journeyman** | 269th CBCS U.S. Air Force   Springfield, OH
- Became proficient in Information Assurance and COMSEC.
- Assisted IA and COMSEC manager to ensure compliance with standards.

05/2017 - 12/2017   **Research Assistant** | Airforce Institute of Technology   Dayton, OH
- Developed Matlab/C++ based Weather Cube code
- Wrote Bash scripts for producing and running simulations for use on a DoD High Performance Computer

Education

08/2015 - 05/2019   **B.S. Computer Science** | Cedarville University   Cedarville, OH
- Minors in Bible and Math
- GPA: 2.9