

TIMOTHY RINE

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EDUCATION

- **School:** Louisiana State University | Baton Rouge, LA
- **Degree:** B.S. in Computer Science
- **Concentration:** Software Engineering
- **Enrollment Dates:** August 2014 – December 2018

PROFESSIONAL EXPERIENCE

Software Engineer II, The Boeing Company

April 2019 – Present

B-52 Flight Software / Huntsville, AL

January 2022 - Present

- Upgrading and maintaining the Offensive Avionics Systems (OAS) of the B-52 using C++, Ada

MQ-25 System Integration and Test Environment | Houston, TX

August 2021 – January 2022

- Supported C++, C# development for initial stages of a Ground Control Station (GCS) application for testing MQ-25 control
- Experienced driving requirements when interfacing with external stakeholders

CST-100 Starliner Simulation | Houston, TX

January 2021 – August 2021

- Performed HWIL verification testing of MIL-STD-1553 communication for the CST-100 simulation
- Built custom test suite using C++ and TCL to validate 83 1553 messages directed between CM and SM buses
- Modularized & improved legacy test scripts and infrastructure to provide future sustainability

P8-Poseidon Training Systems and Vehicle Simulation | Houston, TX

April 2019 – January 2021

- Focused on backend C++ implementation of AN/APY-10 radar subsystems (including IFFI/T, ESM, Air to Air)
- Served as Scrum Master for 3 months for an agile team of 6 developers
- Core development member for 2 new subsystems that were added to the P-8 India Training Simulation (IFFI, Air to Air)
- Performed software integration testing in a complex classified lab environment
- Supported interface design and planning for 2 new subsystems (IFFI/T, Air to Air)
- Performed constructive code & design reviews for teammates

Junior Developer – NetShapers, Inc. | Baton Rouge, LA

February 2018 – March 2019

- Built backend web-application using object-oriented PHP
- Utilized company library functions to create core components of 3 major client projects over the final 6 months
- Implemented 4 new features into existing web applications as requested by clients
- Authored over 2k LOC on unit tests while working with a senior developer to reach a target of 80% code coverage on company libraries
- Refactored legacy web application functionality to improve page load times

SECURITY CLEARANCE STATUS

- Active Secret Clearance

TECHNICAL SKILLS

Programming Languages

C++, Java, Python, C, Ada, PHP, JavaScript, SQL

Operating Systems

Linux, Unix, Windows

Technical Tools

Version Control, Jenkins, Jira, Confluence, BitBucket, GitLab

SOFTWARE SKILLS

- Agile Processes and Methodology
- Continuous Integration
- Test-Driven Development
- UML
- Object-Oriented Programming & Design
- MIL-STD-1553