**David Gray**

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**Education**

**Missouri State University (MSU),** Springfield, MO May 2021

Bachelor of Science in Computer Science GPA: 3.56/4.0

**Skills & Experience**

**Technical Skills**

* Experience in Agile scrum, real-time software engineering, machine learning and algorithms, data science, mobile application development, full stack web development, and testing production software.
* Proficient using Python, C, C++, C#, .NET, Ada95, Flutter, Dart, Javascript, HTML5, MySQL, TensorFlow, Git, Jenkins, DOORS, and more.
* Passionate about Artificial Intelligence and the abundant potential of it’s wide spread application and adoption.

**Key Skills**

* Effective Communication: I am the software contact for integration and electrical engineering teams within the SLAM ER group at Boeing, interfacing between 20+ people on a weekly basis for flight testing coordination.
* Adaptive Problem Solving:Created a unique approach to computer vision by using MediaPipe’s 3D hand gesture estimations and feedforward CNN’s for an ending 98% accuracy at classifying ASL via real time video stream.
* Unwavering Ethics: Hold a United States government security clearance.

**Employment**

**REAL-TIME SOFTWARE ENGINEER** – BOEING – ST. CHARLES, MO June 2021 – Current

* Develop official flight software on top of bare metal and VxWorks SoCs
* Lead and own reverse engineering effort for cross program missile interfacing software
* Act as the SME for software/hardware integration and testing for a group of 20+ people
* Maintain a simulation environment comparable to a real-time system

**COMPUTER LAB ASSISTANT** – MISSOURI STATE UNIVERSITY – SPRINGFIELD, MO September 2019 – May 2021

* Resolve university network issues on personal and university computers and lab equipment
* Communicate information to peers, work as a team to solve problems, and create documentation for issues

**QUALITY ASSURANCE ANALYST** – O’REILLY AUTOPARTS – SPRINGFIELD, MO June 2020 – August 2020

* Optimized SQL queries for quick, accurate results
* Reviewed, tested, and approved test cases on production level software
* Wrote detailed documents on bugs found when testing

**RESEARCH ASSISTANT** – COMPUTATIONAL LEARNING SYSTEMS LAB – SPRINGFIELD, MO July 2020

* Increased efficiency in a high paced work environment by developing data pipelines
* Assisted a published work on the effects of the TSNE algorithm on Traumatic Brain Injury data