**David Gray**

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**Education**

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

Bachelor of Science in Computer Science GPA: 3.52/4.0

**Skills & Experience**

**Technical Skills**

* Experience in Agile scrum, real-time software engineering on a safety critical program, data mining, mobile applicaton development, full stack web development, and testing production level software.
* Proficiency in Python, C++, Ada95, .NET, Git, Jenkins, OOP, Machine Learning, and HTML.

**Key Skills**

* Effective Communication: I am the former VP of the Entrepreneurship and Leadership Organization at MSU.
* Adaptive Problem Solving:Gathered structured data using MediaPipe to classify sign language using a CNN.
* Team Building Mentality: Completed my capstone project with a team of five computer scientists where it is a necessity to encourage each other each time we meet.
* Unwavering Ethics: Trusted with the well-being of elementary level students for three years.

**Employment**

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

* Develop embedded processor software solutions on top of in-house firmware (bare metal) built in parallel
* Reverse engineered a Joint Direct Attack Munition (JDAM) interface application for the Standoff Land Attack Missile-Extended Range (SLAM-ER) testing and simulation flights
* Support SLAM-ER software/hardware integration in foreign debugging environments

**WEB DEVELOPER** – COMPUTATIONAL LEARNING SYSTEMS LAB – SPRINGFIELD, MO August 2020 – May 2021

* Update the Computational Learning Systems Lab website with current information
* Validate local linking to important research papers and projects

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

* Resolve software and network issues on personal and university computers and lab equipment
* Keep computer software and hardware up to date on all university machines
* 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

* Developed and managed data processing pipelines to maintain speed in high paced work environment
* Embedded high dimensional datasets into two-dimensional scatter plots using the TSNE algorithm
* Created overview data analyses for researchers to easily understand large, complex datasets
* Assisted a published work on the effects of the TSNE algorithm on Traumatic Brain Injury data