David Hess

Dynamic, result-driven software engineer with experience in mixed reality application development and a wide variety of programming methods & tools.

(734) 377-9216
dvdhss1@gmail.com
david-hess23

Experience   .

Torch Technologies - Sterling Heights, MI
Simulation Software Engineer - Team Lead

DECEMBER 2022 - PRESENT

➢ Pioneered the development of Army ground vehicle AR/VR simulations, utilizing state-of-the-art hardware, C++ , and Unreal Engine Blueprints, resulting in enhanced training effectiveness and cost-effective prototype evaluation.
➢ Spearheaded innovative data collection, processing, and visualization techniques to deliver in-depth technical analysis reports, crucial for conveying results of virtual experiments.
➢ Elevated to acting lead position, assuming key responsibilities including team management, candidate screening, and interviewing, demonstrating strong leadership and adaptability in a dynamic work environment.
➢ Recognized for exceptional performance with commendations from senior Army and Department of Defense (DoD) leadership, as well as commendation from a US Senator for contributions to national defense initiatives.

Adtran - Huntsville, AL
Software Development Co-op

AUGUST 2019 - AUGUST 2021

➢ Designed a Python Flask web-app to streamline monitoring and maintenance of LoRaWAN gateway networks.
➢ Led as principal software engineer under the system architect to optimize Linux daemons for enhanced network request handling.
➢ Successfully migrated more than 50 legacy repositories for GPON optical line terminals from Python 2 to Python 3.

Education   .

The University of Alabama - Tuscaloosa, AL
Bachelor of Science - Computer Science

AUGUST 2017 - AUGUST 2022

➢ Minor in Mathematics
➢ Awarded Presidential Scholarship on merit, covering tuition.

Skills   .

Proficient in **C++** and **Python**, with a solid understanding of software engineering principles and best practices.

Skilled in the **Unreal Engine** environment with expertise in Blueprints, replication, and game architecture.

Proficient in JavaScript (**React.js**), HTML, and CSS, with experience building responsive and interactive web-apps.

Proficiency in **Git** for collaborative development and version control