

Wyatt Ferguson

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EDUCATION

Bachelor of Science in Computer Science, Honors

August 2021 – May 2025

Texas A&M University

College Station, TX

- **GPA:** 3.914/4.0
- **Coursework:** Algorithms, Data Structures, Operating Systems, Networks, Computer Security, Network Security, Distributed Processing, Computer Architecture, Web Development, Malware Analysis, Reverse Engineering, Robotics, Spatial Intelligence, Augmented Reality

EXPERIENCE

Database Developer

May 2023 – Present

Freelance

Remote

- Manage customer databases with over 50,000 sensitive data entries using PostgreSQL and Python.
- Develop various full stack web tools to enable customers to quickly visualize and understand their data using React.js for frontend and Node.js for backend.

Software Development Intern

May 2024 – August 2024

Raytheon Technologies - RTX

Remote

- Developed data management scripts utilizing SQL, PowerShell, REST APIs, and Active Directory to automatically update and archive Privilege Access Management, User Privilege Management, and Multi-Factor Authentication enterprise data covering 10,000s of users globally.

Computer Vision and Hardware Design Engineer

August 2021 – August 2024

TAMU RoboMaster Robotics Team

College Station, TX

- Developed an algorithm for robot aim-assist in C++ and Python using a particle filter and OpenCV to enable the tracking of spinning enemy robots and firing according to their rotational pattern.
- Developed an algorithm for an autonomous robot in C++ and Python enabling the tracking of any color enemy robots by shifting the hue of the camera input into the TensorFlow model.
- Designed ventilation components for computer onboard an autonomous robot using Onshape.

Software Engineering Intern

May 2023 – August 2023

Lockheed Martin

Fort Worth, TX

- Developed a 2D sensor simulation management app in C# which produced a 90% efficiency increase in the creation and execution of 3D F-35 sensor simulations.
- Developed a software architecture analysis app in C# which graphically provides dependency, versioning, and efficiency data for 1,000s of components in a library.
- Worked with specialized Scrum team in an Agile environment demoing bi-weekly to management.
- Gained U.S. Secret Clearance.

SKILLS

Technical Skills: C++, C#, C, Java, SQL, PostgreSQL, JavaScript, React.js, Node.js, HTML, CSS, PowerShell, REST APIs, Git, Active Directory, Ghidra, OllyDbg, Onshape

Soft Skills: Project Management, Leadership, Teamwork, Problem Solving, Communication, Adaptability, Time Management