

Hannah Housand

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WORK EXPERIENCE

NASA - ARES

May. 2023 – May. 2024

Programmatic and Information Systems Support Intern

Titusville, FL and Remote

Assisting the Immersive Simulations and Engineering Environment Lab with developing a biomechanical model for use in Unreal Engine along with assisting NASA customers in reviewing programmatic systems integration documents.

FSU Academic Center for Excellence

Jan. 2023 – May. 2024

Tutorial Assistant

Tallahassee, FL

Enhancing students' understanding of traditionally challenging courses, and encouraging students to become independent learners. Courses I tutor include Discrete Math, Introduction to Unix, Object-Oriented Programming, Introduction to C++, Computer Architecture, Physics, and Calculus.

Leon County Department of Health

July 2024 – Present

Application Developer

Tallahassee, FL

Developed Power Apps applications to support the Technology Awareness Program at the Department of Health (DOH). Additionally, created Power Automate flows to integrate these applications with other Microsoft tools and utilities, enhancing overall functionality and user experience.

Tallycore

Oct. 2021 – May. 2024

Co-Founder

Tallahassee, FL

Handled finances, inventory control, budgeting, scheduling, hiring processes, and advertising strategies for my small company consisting of 5 people. Additionally, I was involved with customer service and sales of our clothing products.

EDUCATION

Florida State University

May, 2024

BS, Computer Science

Tallahassee, FL

Florida State University

May, 2026

MS, Computer Science

Tallahassee, FL

SKILLS, RELEVANT COURSEWORK, PROJECTS & PROFESSIONAL MEMBERSHIPS

Skills:

- Proficiency in multiple development environments, programming languages, frameworks, version control, virtualization and development methodologies including Visual Studio, VSCode, CLion, PyCharm, Replit, Unreal Engine, C++(STL, containers), C# (STL, .NET MAUI, XAML), HTML, JavaScript, MIPS assembly language, Python(numpy, scipy, pandas), Node.js, React.js, MongoDB, Express, Flask, Full Stack Development, Power Automate, PowerApps, SharePoint, Azure, Git, SonarQube, Virtualization, IDAPro, Agile

Relevant Coursework:

- Biotechnology fundamentals, Calculus, Physics
- Computer Organization, Data Structures, Algorithm Complexity Analysis, Artificial Intelligence, Data Science, Unreal Engine, Kernel Configuration, Network System Administration, Reverse Software Engineering, Full Stack Development, Secure Parallel and Distributed Computing

Projects:

- Development of a plugin toolkit for Unreal Engine used as a biomechanical model measuring forces on joints within the body
- Document review including IT Mission Freeze Requirements, and Information Systems Management Plan

Professional Memberships:

- ACM at FSU