

Hannah Housand

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WORK EXPERIENCE

NASA - ARES

May. 2023 – May. 2024

Programmatic and Information Systems Support Intern

Merritt Island, 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.

Magnolia Sciences

Dec. 2020 – May. 2021

Software Tester

Orlando, FL

Developed scripts for automated testing of desktop simulation software. Documented software defects, performed literature review associated with software improvements, and assisted in development of product documentation.

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

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, 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
- Development of an inventory management app using PowerApps and Power Automate to assist with efficiency and organization for my small business, Tallycore

Professional Memberships:

- ACM at FSU