

Ethan Stein

407-923-7031 | ethanmstn33@gmail.com | linkedin.com/in/ethan-stein | github.com/ethans333 | portfolio.estein.me

EXPERIENCE

Software Engineer

June 2024 – June 2025

MAK Technologies

Orlando, FL

- Strengthened a government-contracted real-time simulation project by applying system hardening techniques and designing subsystems the project.
- Collaborated with 4 fellow team members using Git and Jira in an Agile development workflow.
- Overhauled computer vision system to achieve robust, adaptive, and accurate detection performance.
- Resolved legacy issues and refactored critical code, significantly boosting maintainability and runtime efficiency.

Full Stack Developer

Feb 2023 – June 2024

Tech Think Tank

Orlando, FL

- Co-designed and developed Intwine, a web platform enabling businesses to connect and automate interactions between external services through customizable workflows.
- Implemented the workflow builder GUI for enabling external services to integrate with one another.
- Drove infrastructure setup and DevOps implementation using AWS, ensuring scalable and secure deployment.

EDUCATION

University of Central Florida

Orlando, FL

Bachelor of Arts in Computer Science

May 2022 – Dec 2024 | GPA: 3.7

Seminole State College

Sanford, FL

Associate of Arts in Liberal Arts

May 2020 – May 2022

PROJECTS

Army Reserve Mercury

- Built new features for a React Native and Python-based Army Reserve file management system.
- Contributions supported beta testing by over 100 reservists.

OpenGL Renderer

- Engineered a modular renderer in C++ using OpenGL for real-time rendering of multiple transformed shapes.
- Implemented vertex/fragment shaders with GLSL to support custom lighting and coloring.
- Strengthened understanding of graphics pipelines, matrix transformations, and GPU-accelerated rendering.

Two Three Four Tree

- Developed a self-balancing 2-3-4 tree in Java to further develop my knowledge of advanced data structures.
- Strengthened object-oriented design and algorithmic thinking.

ACHIEVEMENTS

Eagle Scout Rank

Dec 2020 – Present

- Awarded highest rank in Boy Scouts of America, demonstrating leadership, commitment, and problem-solving.

TECHNICAL SKILLS

Languages: Python, C/C++/C#, Java, JavaScript, TypeScript, SQL, HTML/CSS, Flutter, PHP

Frameworks: React, Node.js, AWS Lambda, DynamoDB, Cognito, S3, EC2

Developer Tools: Git, VS Code, Visual Studio, Unity, Jira, Debian Linux, Podman, Docker, Bash, Github Actions

Libraries: pandas, NumPy, Matplotlib, boto3, Vite, Tailwind CSS, RabbitMQ, HuggingFace, OpenGL