Ethan Stein

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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*

EXPERIENCE

Software Engineer — June 2024 – June 2025
MAK Technologies — *Orlando, FL*

- Contributed to a government-contracted real-time simulation project, enhancing user interaction with dynamic digital environments.
- Applied Python and RabbitMQ to enable communication features between systems.
- Collaborated with 4 fellow team members using Git and Jira in an Agile development workflow.

Full Stack Developer — Feb 2023 – June 2024
Tech Think Tank — *Orlando, FL*

- Designed and built Celly Auto SMS, a full-stack platform using AWS, Python, and React.
- Implemented a dynamic workflow builder UI for automated messaging systems.
- Integrated Amazon Lex for AI-driven chat features.
- Managed end-to-end project lifecycle as the sole developer.

PROJECTS

Army Reserve Mercury — Jan 2024 – Dec 2024

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

OpenGL Renderer — April 2025 – Present

- 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 — Dec 2022 – Jan 2023

- Developed a self-balancing 2-3-4 tree in Java to practice 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, SQL, HTML/CSS, Haskell, Flutter
Frameworks: React, Node.js, AWS SAM, AWS Lambda, DynamoDB, Cognito, S3
Developer Tools: Git, VS Code, Visual Studio, Unity, Jira, Debian Linux, Podman, Docker
Libraries: pandas, NumPy, Matplotlib, boto3, Vite, Tailwind CSS, RabbitMQ, HuggingFace