ETHAN SEVILLA-SMITH

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SUMMARY

Computer Science student (3.87 GPA) with hands-on experience in full-stack web development, cloud deployment, and AI-integrated applications, plus a strong systems programming foundation. Built and deployed data-driven apps end to end, from backend APIs and databases to polished UIs and production hosting. Seeking a full-time software engineering role to ship high-quality software and contribute on a collaborative team.

SKILLS

Programming - Java, Python, C, JavaScript/TypeScript, SQL, HTML, PHP, CSS, Bash, R
Tools - React, Node.js, Express, Docker, Git, Linux, Azure, Firebase, MySQL, SQLite, Firestore, XAMPP

PROJECTS

Invoice Management System (Java/JavaFX, SQLite)
- Built a local invoice categorization tool that pulls bank transactions via the Truist REST API, normalizes transaction strings, lets users override/configure categories, stores data in SQLite, and exports categorized results to Excel files.

RecoBid (React/Node/Express/Firebase)
- Developed a full-stack bidding web app with a React frontend and Node/Express backend using Firebase for authentication/data, supporting core listing + bidding flows with user accounts and persistent state.

Movie Manager (PHP/MySQL)
- Built a PHP + MySQL web app with Bootstrap for managing movies, reviews, and users, featuring dynamic search and role-based access control.

Azure Docker Homelab / Multi-service Deployment
- Deployed and hosted multiple personal services on an Azure VM using Docker, including a resume/portfolio site, an IP route plotting app, and a Discord bot.

Custom Shell (C)
- Implemented a Unix-like shell in C supporting command parsing, pipelines, I/O redirection, and running foreground/background jobs using fork/exec and signals.

Discord AI Bot (Python)
- Created a Discord bot that uses the OpenAI API plus external APIs (e.g., weather/web lookups) to answer prompts and provide utility commands, deployed to run continuously.

Others
- Fork-join threadpool, custom memory allocator(malloc/realloc/free), external sort(min-heap + multi-way merge), web-playable chess AI(alpha-beta).

EXPERIENCE

Manager/Technical Support | Manhattan Pizza | 2020 - 2025
- Managed and stored financial data from the company's point of sale system that ran on Java
- Wrote software sorting invoices via the bank's API utilizing Java
- Troubleshot IT issues in the store and trained new staff

EDUCATION

Virginia Tech	Blacksburg, VA (Expected Graduation May 2026)
Bachelor's in Computer Science	GPA: 3.87
Northern Virginia Community College	Loudoun County, VA (Graduated Jun 2024)
Associates of Science in Computer Science	GPA: 3.71

Relevant Coursework:
Computer Systems; Computer Org I-II; Data Struct & Algos; Algorithm Analysis; Databases; Software Design

EXTRACURRICULARS

- Mathematics tutor for calculus and linear algebra at Northern Virginia Community College
- Ranked 88th percentile in the National Cyber League(NCL) competition
- Chess Club member at Virginia Tech