Eli Newlin

Iowa State University
Computer Science BS

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EDUCATION

•Iowa State University *2024*

Senior Year Computer Science Student

EXPERIENCE

•SoilSerdem *9/2023-Current*

Full Stack Developer Intern Ames, Iowa

– Taking an active role in development on an NextJS + ExpressJS webapp that allows farmers to look at their data in a new way
– Worked with management to establish deadlines and set expectations for progress
– Worked with data scientists to deploy analysis tools and provide access to users
– Minimized unnecessary expenses and ensure a low-latency product

•Big Data In A Box Solutions LLC *11/2021-9/2023*

Intern Ames, Iowa

– Created an SQL database using Azure Web Services to store user information
– Constructed a functioning serverless restAPI using python and Azure Functions
– Integrated OpenAI functions and created a serverless backend with Azure to power an Angular frontend

PERSONAL PROJECTS

•News++ *06/2024-CUR*

A blog where I can write down thoughts about common development practices

– Tools & technologies used: Astro, CSS, JSX, Markdown
– I am deeply interested in learning new languages and frameworks. Therefore, creating a project like this allowed me to experiment with Astro and determine differences between other frameworks I have used in the past

•SCP Database *04/10/2023 - 04/17/2023*

Created A C++ based TUI to look through a website in a fun way

– Tools & technologies used: C++, libxml2, curses
– I've seen many games use a ncurses like system to world-build and while I did not create a world of my own, I created a way to explore the SCP world in a fun and semi creepy way

•Poke327 *01/24/2023 - 04/03/2023*

Created a ncurses pokemon game with map generation, NPC's, and battle!

– Tools & technologies used: Curses, C++, C, CSV
– This project was a part of my advanced programming techniques class. With our game being added to as the semester goes on, while the semester ended before the game was finished. I implemented a battle system, npcs, and map generation.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Java, CSS/HTML, Javascript/Typescript, C/C++
Developer Tools: Postman, Azure, AWS, Git
Frameworks: ReactJS, Astro, NextJS, Flask
Cloud/Databases: Azure, AWS, Microsoft SQL, SQLite, MongoDB, MariaDB/MySQL
Soft Skills: Communication, Team Work, Leadership
Coursework: Data Structures, Algorithms, low-level programs
Areas of Interest: Web apps, Open Source, Linux