

NOLAN MAI

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EDUCATION

KAHLERT SCHOOL OF COMPUTING, UNIVERSITY OF UTAH

Bachelor of Science in Computer Science

- Dean's List

Salt Lake City, UT, USA

2023 - Present

GPA: 3.8/4.0

Relevant coursework: Object Oriented Programming, Data Structures and Algorithms, Discrete Structure, Software Practice I.

EXPERIENCE

SMART EDUCATION NOW TECHNOLOGIES

Software Engineer Intern

In-person Internship

- SENTECHS (Smart Education Now Technologies) - an educational solutions provider for the United States and Vietnam since 2010. SEN's solutions focus on increasing enrollment, ensuring safe operations within schools, and engaging with parents.
- Developed an advanced analysis tool for extracting insights from IELTS passages using multiple APIs, including Cathoven's API, and managed data storage/manipulation with MongoDB.
- Accelerated the product launch process by 10%.

Ho Chi Minh City, Viet Nam

June 2024 - August 2024

[ROOMIEHUB, LLC](#)

Web Developer Intern

Remote

- RoomieHub is a startup that helps roommate seekers find their ideal matches and supports them in navigating and maintaining positive roommate relationships throughout their shared living experience.
- Developed and maintained the front end of RoomieHub's website using HTML and CSS.
- Enhanced user engagement during the pre-launch phase.

Tempe, AZ, USA

July 2024 - October 2024

SCIENTIFIC COMPUTING AND IMAGING INSTITUTE AT THE U

Software Engineer

Independent Study

- Developed a command-line tool using Python's Textual library to visualize and display supercomputer output.
- Implemented interactive features to display data in tree and table format for improved clarity and usability.

Salt Lake City, UT, USA

August 2024 - Present

PROJECTS

FULL-STACK SNAKE GAME

University of Utah

2024

- Developed a full-stack online multiplayer Snake game with a server/client architecture and web-based score leaderboard using C#, Blazor, and SSMS.
- Implemented a GUI client that connects to a multiplayer Snake game server, handling real-time gameplay and user interactions.
- Integrated a SQL Server database to store game sessions and player statistics, enhancing data persistence and retrieval.
- Created a web server console application that serves dynamically generated HTML pages, displaying game and player statistics through HTTP requests.

[TREETABLE APP](#)

University of Utah's Scientific Computing and Imaging (SCI) Institute

2024

- Developed an interactive terminal-based application using Python to visualize hierarchical JSON data.
- Implemented a dynamic tree structure with expandable and collapsible nodes, displaying associated data in a table view.
- Enhanced data exploration by allowing customizable table columns and filtering out unnecessary data.
- Utilized Python libraries like Textual to create a user-friendly interface that runs in the terminal.

TECHNICAL SKILLS

- **Programming Languages & Frameworks:** Java, JavaScript, Python, C#
- **Web Development:** HTML, CSS, ReactJS, Svelte, NodeJS, ExpressJS, Blazor
- **Databases & Tools:** SQL, PostgreSQL, MongoDB