

**Nathan Studley**  
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**Portfolio:** nathanstudley.github.io

## EDUCATION

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University of Massachusetts Amherst, Amherst, MA  
**Bachelor of Science in Computer Science**  
Deans List

Dec 2023  
**GPA: 3.725**

**Relevant Courses:** Web Programming, Data Management, AI, Decarbonization & Data Science, Algorithms, Secure Distributed Systems

## TECHNICAL SKILLS

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- **Programming:** JavaScript, TypeScript, React, Next.js, TailwindCSS, Python, C, C#, MATLAB, SQL
- **Tools:** Node.js, Git, GitHub, VSCode, PostgreSQL, AWS, MongoDB
- **Certifications:** AWS Cloud Practitioner

## PROJECTS

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**Monolithconcorp.com** - *Company Website* Jan 2024 - Present

- Communicated with the Monolith team to execute the design, development, and deployment of Monolith Construction Corp.'s company website.
- Front end developed using HTML, Tailwind CSS and JavaScript. Deployed using AWS.

**Adventure Generator** - *Independent Project* Nov 2023 - Present

- A single page web application that integrates database management to generate "adventures" using user input.
- Engineered front-end/UI with JS for data handling and HTML/CSS for styling, programmed the back-end server with Express.js.
- Application makes use of CRUD operations and MonogDB Atlas database for data storage and manipulation.

## EXPERIENCE

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**Freelance Software Developer** Jan 2024 - Present

- **Web Development** - *Contracted by: Monolith Construction Corp.*
  - Executed the design, development, and deployment of the company website.
  - Integrated Google Workspace as the company's primary collaboration and productivity tool.
- **AI Training** - *Contracted by: Data Annotation*
  - Analyzed and debugged LLM responses to coding related prompts to improve model performance.
  - Developed example prompts and then algorithms and solutions to said prompts in a variety of programming languages (Python, JavaScript, SQL, C#, etc.) in order to train AI models.

**Teacher's Assistant/Grader** Jan 2022 - May 2022  
*Embry Riddle Aeronautical University* Daytona, FL

- Provided excellent academic assistance in an introductory computer science course to a class of 30 students.
- Introduced students to the basics of computer programming while providing feedback and debugging student code for class assignments and final projects.

**Server** June 2021 - June 2024  
*Dave's Diner* Middleboro, MA

- Consistently provided excellent customer service in a fast paced and dynamic food service setting.
- Collaborated effectively with other team members to ensure service standards remain consistent.
- Communicated effectively with both staff and customers.