

# Luke Moenning

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## TECHNICAL SKILLS

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Java, Python, HTML/CSS, JavaScript, React, Docker, Git

## EDUCATION

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### The University of Iowa

Iowa City, IA

*Honors Bachelor of Science*

*August 2021 - May 2025*

- BS Computer Science; BS Mathematics - GPA 3.86
- Artificial Intelligence, Modeling, and Simulation Certificate; Psychology Minor
- University of Iowa Dean's List - Fall 2021, Spring 2022
- Member of Association for Computing Machinery (ACM)

#### *Relevant Coursework*

- Data Structures, Discrete Mathematics, Computer Organization, Introduction to Software Development, Introduction to Linear Algebra, Multivariable Calculus, Introduction to Engineering Problem Solving

## EXPERIENCE

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### Web Intern

September 2022 – Present

*The University of Iowa - College of Engineering*

*Iowa City, IA*

- \* Learn front end development skills and how to handle accessibility issues for websites
- \* Maintain the College of Engineering website
- \* Handle ticket requests and communicate results and constraints with the requester

### Lead Instructor

June 2019 – Present

*Mathnasium - The Math Learning Center*

*Iowa City, IA*

- \* Lead students to look at math from a different perspective so they gain a better understanding of it.
- \* Tutored 50+ students from kindergarten to Calculus
- \* Demonstrate leadership for the other instructors by taking charge when the Center Director is gone
- \* Develop my communication skills by instructing students and interacting with parents

## PROJECTS

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### Trackify | *React, Docker, JSDoc*

October 2022

- \* Created a Spotify stat tracker using React and Docker containers
- \* Prevented prop drilling and tightly coupled code with the use of Context API
- \* Utilized JSDoc documentation to improve the maintainability of the project
- \* Learned how to retrieve and manipulate data from APIs

### Personal Website | *HTML/CSS, JavaScript*

September 2022

- \* Practiced common web development principles as well as web design
- \* Created a personal website to serve as a project portfolio and way to learn about me

### Snake Game | *Java, JavaSwing*

April 2022

- \* Became familiar using object oriented programming in a larger project
- \* Gained experience utilizing and modifying LinkedLists of objects I created
- \* Allows the user to create an account or play as a guest and stores the account information in a CSV file