Luke Moenning

lukemoenning.com | linkedin.com/in/lukemoenning | github.com/lukemoenning
319-440-7133 | moenningluke@gmail.com

PROFESSIONAL EXPERIENCE

Software Developer Intern
W.R. Berkley Corporation

May 2023 - Present
Urbandale, IA

- Reduced application build time by refactoring 100% of tests that throw warnings for React components and GraphQL queries using Jest and Apollo
- Worked directly with an agile team to efficiently handle tickets and meet sprint deadlines while developing a full-stack, internal application using Next.js, GraphQL, Tailwind, Nx, and Jenkins

HCI Undergraduate Researcher
Project: Story Carnival

January 2023 – Present
Iowa City, IA

- Developed a teacher reflection tool to be demoed for 16 preschools that tracks classroom progress using JavaScript, Node.js, AWS Lambda, and DynamoDB
- Validated the efficacy of the tool by researching established tools and commonly followed learning standards

Web Developer Intern
The University of Iowa - College of Engineering

September 2022 – January 2023
Iowa City, IA

- Collaborated with a team of 3 interns to efficiently port 100% of the Biomedical Engineering Website to SiteNow v3
- Managed the College of Engineering website by handling ticket requests and communicating results directly to clients

LEADERSHIP EXPERIENCE

Soccer Coach
Northwest Junior High

March 2023 – May 2023
Coralville, IA

- Mentored and coached 63 7th and 8th grade boys, fostering team development and individual player growth
- Established the program for success during its inaugural year by taking initiative in organizational decisions

Lead Instructor
Mathnasium - The Math Learning Center

June 2019 – December 2022
Iowa City, IA

- Led a team of ~10 instructors to successfully help students recover from learning setbacks caused by the COVID-19 pandemic
- Directed instructional training sessions for the other instructors, streamlining teaching provided by the center
- Provided individualized instruction to more than 100 students, ranging from kindergarten to Calculus

PROJECTS

TrailTrekkers | *AWS, DynamoDB, GraphQL, React*

January 2023

- Designed a social media application using AWS Amplify focused on tracking and finding hikes
- Utilized AWS Cognito and AWS Lambda for user authentication and authorization
- Implemented GraphQL mutations to handle CRUD operations on hike data stored in DynamoDB, allowing for efficient and secure data manipulation

Trackify | *React, Docker, JSDoc, Spotify API*

October 2022

- Built a Spotify stat tracker using React and Docker containers for seamless deployment
- Prevented prop drilling and tightly coupled code with the use of Context API
- Adopted strong documentation practices using JSDoc to promote project maintainability

EDUCATION

The University of Iowa
Bachelor of Science - GPA 3.83

Anticipated May 2025
Iowa City, IA

- BS Computer Science; BS Mathematics; University Honors
- Artificial Intelligence, Modeling, and Simulation Certificate; Psychology Minor
- ACM Club Member, Intramural Soccer

Relevant Coursework

- Data Structures – Algorithms – Discrete Structures – Introduction to Numerical Methods – Computer Organization – Introduction to Software Development – Introduction to Linear Algebra – Multivariable Calculus

SKILLS

- **Languages:** Java, Python, Javascript, GraphQL
- **Libraries and Frameworks:** React, Typescript, Next.js, Jest, JUnit, Node.js, Tailwind, Apollo
- **Tools:** Amazon Web Services (AWS), DynamoDB, Docker, Git, Nx, Jenkins