

LUKE WEILER

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EDUCATION

The Ohio State University
BS Computer Science and Engineering

Columbus, OH
August 2021 - May 2025

SKILLS

Programming Languages: Python, Javascript, Java, C/C++, Ruby, CSS, SQL, Dart
Frameworks: React, Redux, Spring Boot, Rails, Flask, Django, Express.js, Next.js, Flutter
Tools/Platforms: Linux, Git, Relational Databases, MongoDB, Docker, Nginx, Figma
Certifications: AWS Cloud Practitioner, Certified Kubernetes Application Developer (CKAD)

WORK EXPERIENCE

JPMorgan Chase and Co. Columbus, OH
Software Engineering Intern (Summer) June 2024 - August 2024

- Quickly onboarded to a large and developing full-stack application for creating regulatory reports using React and Java Spring Boot, contributing 33 merged prs in 10 weeks.
- Successfully deployed the first production release of our application, taking part in thorough end-to-end testing and deployment processes.

Software Engineering Intern (Academic) September 2023 - May 2024

- Contributed to the creation of a new AWS EKS microservice for the Chase Automobile Loan Originations team, isolating the lease eligibility decision process.
- Contributed to decision logic and system observability with Splunk and Datadog.

Software Engineering Intern (Summer) June 2023 - August 2023

- Spearheaded the development of a serverless Python and React.js web app that uses a centralized DynamoDB database to reduce team communication time by about 3 hours per week.
- Conducted comprehensive user research, engaging in frequent meetings and presentations with stakeholders to ensure alignment with project goals.

Ohio Supercomputer Center Columbus, OH / Remote
Student Software Engineer February 2022 - May 2023

- Used Ruby on Rails to create a web-based dashboard for monitoring supercomputer resources and deliver assorted features and bug fixes for the OpenOnDemand platform, empowering researchers to seamlessly interface with Linux supercomputers through a user-friendly web interface.

Monkeytype Remote
Full Stack Open Source Contributor April 2021 - August 2021

- Drove the creation of the MongoDB database, Express.js API, and connecting client code for monkeytype.com, enabling fast and efficient data storage for over 100k unique users every day.
- Identified and corrected inefficient processes, immediately reducing costs by 70 percent and slowing the rate of increasing cloud service costs.

LEADERSHIP

Competitive Programming Club at Ohio State / *Officer* April 2022 - Present

- Work with team to plan weekly meetings and events, creating educational content for club members.
- Rank in the top 5 performers at OSU, placing 1st and 3rd in ICPC regional competitions for 2022 and 2023 respectively.

PROJECTS

mathgenerator *Python, Github* <https://github.com/lukew3/mathgenerator>
Created and maintain an open-source python package that enables generating a wide variety of math exercises. Featured on YC Hacker News, reaching rank 5. Has over 500 stars on Github.

Stem Player Online *Javascript, Web Audio* <https://stemplayeronline.com>
Created a web application that enables users to creatively play music by isolating instruments from songs and giving users the power to loop, change the speed of, and add effects to their music. Used by around 3000 people per month.

3cards *Javascript, React.js, Next.js, GraphQL* <https://lukew3-3cards.netlify.app>
Created a web3 application that allows users to create and share flashcard sets at 0 cost. Powered by Arweave, a decentralized blockchain-like storage network. Winner in the Arweave Open Web Hackathon.

Congol *Javascript, Express.js, Pug, MongoDB, Node.js, Browserify, Socket.io* <https://congol.net>
Created a website that allows users to play a version of Conway's Game of Life with 2 players competing live over the internet.