

Nathan Kirschner

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EDUCATION

Northeastern University, Boston, MA

Sept. 2020 – May 2024

Khoury College of Computer Sciences

Bachelor of Science in Computer Science with a Minor in Business Administration

GPA: 3.87 / 4.00 | *summa cum laude* | Dean's List All Semesters

Teaching Assistant: Object-Oriented Design (fall 2021), Logic and Computation (fall 2022)

COMPUTER KNOWLEDGE

Languages: TypeScript, JavaScript, Python, Java, HTML, CSS, SQL

Tools and Frameworks: ReactJS, React Native, NodeJS, Git, AWS (Lambda, CloudFormation, RDS, QLDB, API Gateway), Jest

EXPERIENCE

Frontend Development Co-op | Flexcar, Boston, MA

Jan. 2023 – June 2023

- Owned development of features in React Native app to allow users to perform critical functions such as user referrals, identity verification, and push notification settings
- Built sections of redesigned company homepage to demonstrate benefits of new pricing changes to customers
- Converted complex Figma designs to ReactJS with high attention to detail while ensuring on time delivery for aggressive deadlines
- Developed new user flows with ReactJS and GraphQL
- Engaged in standups, refinements, and retrospectives to ensure a smooth agile process, offering and receiving frequent and constructive feedback

Full-Stack Software Development Co-op | Wood Mackenzie, Boston, MA

Jan. 2022 – June 2022

- Implemented new workflow features across the company's web application to streamline client experiences
- Developed a pipeline to generate a new dataset that allows clients to analyze the risk associated with their suppliers and created a data panel and map to display new dataset
- Coordinated three separate release processes, bringing in subject matter experts from development, DevOps, and product as needed to solve production issues/bugs
- Pair programmed with engineers to plan, implement, and deliver new features and bug fixes using ReactJS and NodeJS
- Utilized AWS tools such as Lambdas, Step Functions, CloudWatch, and EC2, and completed eight-hour AWS Udemy course
- Wrote several PostgreSQL and MySQL scripts to update permissions and change development and production databases
- Conducted interviews for future co-ops, reviewed resumes, and planned web development workshops and lectures for onboarding

PROJECTS

Rate My Site | ratemysite.xyz | ReactJS, NodeJS, MySQL, AWS (Lambda, RDS, API Gateway)

June 2022 – Aug. 2022

- Built a website for developers to share their personal websites and receive feedback on their work
- Deployed a serverless backend using a variety of AWS services such as Lambda and API Gateway

Best Ball Majors | bestballmajors.com | ReactJS, NodeJS/Express, MySQL, AWS (EC2)

May 2021 – Feb. 2022

- Created a fantasy golf website that allows over 30 users to view live scores, join leagues with friends, and create weekly rosters
- Designed frontend UI mockups, implemented a ReactJS frontend, and created a REST API using NodeJS and Express
- Deployed entire stack on an EC2, set up Nginx server and SSL certificate, and created CloudWatch alarms to monitor reachability

PseudoNote | devpost.com | ReactJS

Feb. 2022

- Competed in the HackBeanpot Hackathon to make a note-taking website which allows switching between text and code formatting
- Built ReactJS app in 48 hours with a partner and presented the final product and process to a panel of judges

ACTIVITIES

Code4Community | Northeastern University, Boston, MA

Tech Lead May 2023 – May 2024

Developer Sept. 2022 – May 2023

- Led a team of student developers and designers in weekly standups, created tickets and delegated work, reviewed code, and mentored and assisted team members in completing project goals
- Delivered web applications for non-profit organizations such as This Star Won't Go Out and Hands Across the Sea
- Set up production and development environments for the web application using AWS SAM and QLDB for the serverless backend and AWS Amplify for the ReactJS frontend