Nathan Kirschner

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EDUCATION

Northeastern University, Boston, MA *Sept. 2020 - Present*
Khoury College of Computer Sciences *Expected May 2024*
Candidate for Bachelor of Science in Computer Science with Minor in Business Administration

Honors: **GPA:** 3.84 / 4.00 | **Dean's List:** Fall 2020, Spring 2021, Fall 2022
Related Courses: Object-Oriented Design | Algorithms and Data | Networks and Distributed Systems | Computer Systems | Logic and Computation | Mathematics of Data Models | Human Computer Interaction | Discrete Structures

COMPUTER KNOWLEDGE

Languages: JavaScript, Java, HTML, CSS, Python, Racket
Tools and Frameworks: ReactJS, NodeJS, SQL, Git, AWS (EC2, Lambda, Step Functions)
Operating Systems and IDES: MacOS, Linux, Windows, Visual Studio Code, IntelliJ IDEA, Eclipse

EXPERIENCE

Teaching Assistant for Logic and Computation | Northeastern University, Boston, MA *Sept. 2022 – Present*
- Attended weekly staff meetings and held weekly office hours to assist students with course material
- Graded assignments and exams for 150+ students and communicated frequently with course staff to clarify requirements

Software Development Co-op | Wood Mackenzie, Boston, MA *Jan. 2022 – July 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 data
- Pair programmed with full-time 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 8-hour AWS Udemy course
- Communicated frequently with product owners about design decisions while place on two agile teams
- Wrote several PostgreSQL and MySQL scripts to update permissions and change development and production databases
- Led three separate release processes, bringing in subject matter experts from development, DevOps, and product as needed to solve production issues/bugs
- Conducted interviews for future coops, reviewed resumes, and planned web development workshops and lectures for onboarding

Teaching Assistant for Object-Oriented Design | Northeastern University, Boston, MA *Sept. 2021 – Dec. 2021*
- Collaborated with the teaching staff to grade assignments and exams for 300 students and facilitated weekly labs
- Led 5+ office hours every week to coach students and answer their questions about design principles in Java

PROJECTS

Rate My Site | ratemysite.xyz | ReactJS, NodeJS, MySQL, AWS (Lambda, RDS, API Gateway) *June 2021 – Aug. 2022*
- Built a website for developers to share their personal websites and receive feedback on their work
- Learned how to use a variety of AWS services and troubleshot issues, in order to deploy a serverless backend with AWS Lambda

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 | nate-kirschner.github.io/PseudoNote | ReactJS *Feb. 2022*
- Competed in the HackBeanpot Hackathon to make a note-taking website which allows switching between text and code formatting
- Utilized React functional components with hooks such as useState, useEffect, and useRef
- Built ReactJS app in 48 hours with a partner and showcased the final product and process on devpost.com

ACTIVITIES AND INTERESTS

Virtual Reality Club Member | Northeastern University, Boston, MA *Jan. 2021 – Dec. 2021*
- Collaborated with the software development team and created projects such as an AR scavenger hunt app and VR escape room
- Attended weekly meetings to develop projects using C# and Unity

Interests: Skiing, Pickup/Intramural Basketball, Watching Heist Movies, Discovering New Music