Nathan Kirschner

(267) 838-0953 | nmkirschner@gmail.com
github.com/nate-kirschner | Available: January - June 2022 | Boston, MA

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:** 3.83 / 4.00 | Dean's List: Fall 2020 and Spring 2021
Related Courses: Object-Oriented Design | Computer Systems | Algorithms and Data | Logic and Computation | Mathematics of Data Models | Discrete Structures | Introduction to Mathematical Reasoning | Fundamentals of Computer Science 1 and 2

COMPUTER KNOWLEDGE

Languages: Java, JavaScript, Python, HTML5, CSS3, Racket
Tools and Frameworks: ReactJS, NodeJS, MySQL, Git
Operating Systems and IDEs: MacOS, Linux, IntelliJ IDEA, Eclipse, Visual Studio Code

EXPERIENCE

Teaching Assistant for Object-Oriented Design | Northeastern University, Boston, MA   *Sept. 2021 - Present*
- Collaborate with the teaching staff to grade assignments and exams for 300 students
- Lead 5+ office hours every week to provide tutoring to students and answer their questions about design principles
- Facilitate weekly labs in coordination with other TAs to reinforce Object-Oriented Design concepts for students

Software Engineer Freelance | Hudson Video, Remote   *March - April 2021*
- Collected business information of 15,000 HVAC companies from all 40,000 U.S. ZIP codes using Python and Selenium, a web automation tool
- Provided results in an organized Excel sheet to the sales team for customer acquisition

PROJECTS

Best Ball Majors | ReactJS, NodeJS/Express, MySQL   *May 2021 - Present*
- Programmed a fantasy golf website that allows users to join leagues and create weekly rosters
- Attracted about 30 users and hosted on AWS EC2 (not live during golf offseason)

Recommendr | ReactJS, NodeJS/Express, MySQL   *July 2021 - Present*
- Collaborated with a partner to develop a website that allows users to exchange recommendations for movies, TV shows, books, video games, restaurants, and music
- Implemented calls to several APIs to autofill information for each recommendation

Image Editor | Java   *May 2021 – June 2021*
- Collaborated with a partner to create an image editing java application capable of importing/exporting images, manipulating layers, and applying image transformation
- Implemented features such as such as blur, sharpen, grayscale, sepia, mosaic, and downsize
- Utilized the command, delegation, and adapter design patterns to reduce complexity in the codebase

The Other Half's News | https://tohnews.com | ReactJS   *Dec. 2020 - Jan. 2021*
- Developed a ReactJS web application to diversify a user's news feed
- Fetched live news articles from an API to be sorted and displayed in the order of political bias

ACTIVITIES AND INTERESTS

Virtual Reality Club Member | Northeastern University, Boston, MA   *Jan. 2021 - Present*
- Served as a member of the software development team and created a VR scavenger hunt app using C# and Unity

Interests: Skiing, Basketball, Watching Heist Movies