

# Bon Nguyen

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## EDUCATION

### University of Rochester

Rochester, NY

*Bachelor of Science in Computer Science*

*Anticipated May 2026*

- GPA: 3.92 out of 4.00 and Dean's List Spring 2023
- Relevant coursework: Data Structures and Algorithms, Intro to Computer Science, Intro to Web Development, Discrete Mathematics

## EXPERIENCE

### University of Rochester RocLab

Rochester, NY

*Frontend Developer & UI/UX Designer*

*January 2023 – Present*

- Collaborated with functional teams of student developers and designers to revamp the University of Rochester's Course Description/Course Schedule page.
- Conducted research to identify user pain points with the current course list/search page and created low-fidelity prototypes using Figma to test design hypotheses.
- Implementing mobile design for the course list web page with user-experience in mind using React.js, Typescript.js, HTML, and CSS.

### University of Rochester

Rochester, NY

*Workshop Teaching Assistant, Intro to Computer Science*

*February 2023 – April 2023*

- Facilitated weekly workshop sessions to assist 30 students in solving complex OOP problems in Java.
- Conducted research and identified methods to increase engagement in a collaborative workshop setting by up to 15%.
- Communicated closely with the course professor to acknowledge students' difficulties in the course to provide transparency between professor and students.

## PROJECTS

### Street Mapping

- Implemented Dijkstra's algorithm in order to generate a map and provide the shortest path between two points given a data set of roads and intersections using Java.
- Generated a graphical display of the generated map and path using Java Swing.

### Huffman Coding

- Implemented Huffman coding algorithm for lossless file compression/decompression and encryption/decryption using Java.

### Work Hard, Play Hard

- Created a web application which allows users to track how long they have worked and convert the time they have worked to time they can play accordingly using HTML, CSS, and Javascript.
- Incorporated the use of local storage to store user times locally and have data persist between website visits.

## SKILLS

- **Programming/Other Languages:** Java, Python, Typescript.js, Javascript, HTML, CSS
- **Frameworks and Tools:** React.js, Git, Figma, Firebase