

BENJAMIN NGUYEN

Software Developer



PROJECTS

SORTING ALGORITHMS VISUALIZER (HTML, CSS, JS, React)

[GitHub](#) | In Progress

- Developing a React.js web application which provides visualization of different algorithmic sorting techniques

BASIC CALCULATOR GUI (Python, Tkinter)

[GitHub](#) | In Progress

- Creating a standard/scientific calculator GUI that proves arithmetic capabilities using Python and basic Tkinter GUI programming

BRICKHACKS 6 - MEDIEVAL RULE (HTML, CSS, JS, Socket.IO)

[Devpost](#) | Incomplete

- Collaborated with a team of 3 developers to build a medieval-themed web application based off the party game Mafia using HTML, CSS, and JavaScript
- Integrated event-based connections using Socket.IO to fulfill the functionality of real-time communication between users and online gameplay

PERSONAL PORTFOLIO WEBSITE (HTML, CSS, Bootstrap)

[GitHub](#) | [Demo](#)

- Created a personal portfolio that showcases examples of my work along with information about my skills and experiences

STUDENT REGISTRY SIMULATOR (Java)

CPS 209 Final Assignment

- Implemented a command line student registry which allows users to enroll, drop, and schedule different courses using object-oriented concepts
- Incorporated Java collections such as ArrayList and TreeMap with compare and comparator interfaces to manage the sorting of students and courses

EDUCATION

B.S. (HONOURS) - COMPUTER SCIENCE CO-OP, MINORING IN MUSIC

Sept 2019 – Apr 2024

Ryerson University, Toronto, ON

Awards: Dean's List (2019 - 2020)

Relevant Courses:

- Data Structures
- Intro to UNIX and C
- Intro to Software Engineering
- Operating Systems I

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SKILLS

LANGUAGES

- Java
- Python
- C
- Bash
- HTML
- CSS
- JavaScript
- SQL

LIBRARIES

- Socket.IO
- BootStrap

TOOLS & TECHNOLOGIES

- Unix/Linux
- Windows
- Mac OS
- Ubuntu
- Git
- Office 365
- G Suite
- VSC (IDE)
- Cisco WebEx
- Node.js

EXTRACURRICULAR

STUDENT SUPERVISOR

Sept 2019 – Present

Ryerson Developer Student Club

- Help with supervision and setup of multiple technical workshops/study jams
- Deal with internal conflicts within the group
- Oversee a community of over 300 members

EXPERIENCE

LIFEGUARD & SWIM INSTRUCTOR

Jan 2018 – Present

City of Toronto - Recreation

- Provide swim instruction, evaluation, and supervision of patrons to ensure a safe aquatic environment