

BENJAMIN NGUYEN



PROJECTS

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

[GitHub](#) | In Progress

- Developing a React.JS web application that 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, Node.JS)

[GitHub](#) | [Devpost](#) | Incomplete

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

PERSONAL PORTFOLIO (HTML, CSS, JS, Bootstrap)

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

- Created a personal portfolio website that showcases examples of my work along with information about my skills and experiences
- Implemented different features of Bootstrap for a responsive design

STUDENT REGISTRY SIMULATOR (Java)

CPS209 Final Assignment

- Implemented a command line student registry that allows users to enroll, drop, and schedule different courses using advanced 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 | • Software Engineering |
| • UNIX and C | • Operating Systems I |
| • Computer Science I (Python) | • Discrete Structures |
| • Computer Science II (Java) | • Computer Organization |

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SKILLS

LANGUAGES

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

TOOLS & TECHNOLOGIES

- | | |
|--------------|--------------|
| • Unix/Linux | • Office 365 |
| • Windows | • Git |
| • Socket.IO | • Bootstrap |

OTHER SKILLS

- | | |
|----------------|------------------------|
| • Fast learner | • Team player |
| • Self-starter | • Strong Communication |

EXTRACURRICULAR

STUDENT SUPERVISOR

Sept 2019 – Present

Ryerson Developer Student Club

- Help with the supervision and setup of many technical workshops/study jams
- Resolve internal conflicts within the university based community
- Oversee a community of over 300 members with an interest in growing as a developer

WORK EXPERIENCE

LIFESAVING/FIRST AID INSTRUCTOR

Jan 2018 - Present

City of Toronto

- Collaborate with staff and the public to ensure programs run efficiently

YOUTH INTERN

Summer 2017

Toronto Police Service

- Prepared and modified documents including reports, memos, and emails
- Effectively communicated with staff and community by telephone, email, and in-person