

## EDUCATION

**Hamilton, ON** **McMaster University** **Sept 2017-Apr 2021**

- **Major:** Electrical Engineering Co-op, B.Eng.
- **Relevant Coursework:** Algorithms & Data Structures (**Java**), Principles of Programming (**C**), Microprocessors

## EMPLOYMENT

**Software Developer Intern** **Bountey, Inc.** **Waterloo, ON | May-Aug 2019**

Real-time video monetization platform

- Successfully built a full stack payment solution that led to an increase in revenue by **70%**
- Wrote clean backend code for new features such as likes and notifications that were pushed to production
- Developed responsive UI's increasing user engagement and customer retention on the platform (**100+ users**)
- Leveraged knowledge in full-stack web development, **JavaScript, Git, AWS Lambda, GraphQL** and **React**

**Software Developer** **Epoch, Inc.** **Toronto, ON | July 2019-Dec 2019**

Event management platform for corporations

- Built an easy-to-use, customizable analytics dashboard that helped users track their volunteer events
- Refactored and optimized frontend modules resulting in reduced code redundancy and reusable code
- Created database models for SQL database that were used in migrating legacy data to updated database
- Leveraged knowledge in **Python (Flask), React, GraphQL, SQL, Docker, Git**

## SOFTWARE PROJECTS

### BlockVote

- BlockVote is a voting app built on the Algorand blockchain that facilitates voting for multiple events. Events are hosted on the application and users can log in/out and vote on the event of choice
- Designed a RESTful backend server enabling events and votes to be stored persistently on the network
- Project was inspired by lack of integrity in Kenyan elections every election cycle
- Utilized: **Express.js, Firebase, React, Algorand**

### Jot-it-down

- Created a note-taking web application that facilitates clipping images with the note and set a reminder
- Designed user authentication allowing users to log in/log out
- Implemented storage using DynamoDB database and S3 bucket (AWS Services)
- Utilized: **React, AWS, Serverless framework**

### Python Web Crawler

- Developed a web-scraper application using Python to collect website links and store them in JSON format
- Learnt about applications of web-scraping to analyze data in building sitemap applications
- Utilized: **Python, Scrapy framework**

## SKILLS

- **Languages:** Python, JavaScript, Java, C, C++ MATLAB, Assembly, HTML/CSS, SQL
- **Tools and Frameworks:** Node.js, Flask, Django, React.js, Redux, Docker

## LEADERSHIP

### Secretary at NSBE McMaster

- Scheduled weekly meetings and prepared monthly agenda/events
- Documented well organized minutes for weekly meetings

### Mentor at Empowerment Squared

- Taught Math to **50+** newcomer students in Canada with less competency in English