

PROFESSIONAL EXPERIENCE

Impley Data Inc

User Interface Engineering, Intern

Burlingame, CA, USA

Aug. 2018 – Present

- Developed save-as-you-type feature to enable a collaborative text editor by using ReactJS, Node.js and SQL
- Implemented URL shortening for better link sharing experience and cleaner user interface
- Added customized data visualization using D3.js and its related data visualization libraries

IBM

Software Developer, Intern

Ottawa, ON, Canada

Jan. 2018 – Apr. 2018

- Implemented loading indicator feature for better wait experience UX using ReactJS and SCSS
- Optimized app performance by doing dependency migration from jQuery to vanilla JavaScript
- Implemented a consistent color and font style by writing automation scripts and using IBM user interface components library

TD Bank

Software Developer, Intern

Toronto, ON, Canada

Sept. 2016 – Dec. 2016, May 2017 – Aug. 2017

- Developed a single page web application (SPA) using Angular, Bootstrap and Java SpringBoot
- Implemented microservices for token-based authentication using Node.js
- Developed a hybrid android app to present innovative business ideas using Java
- Simplified continuous integration (CI) process and improved maintainability by writing configuration scripts and applying organized directory structure

PROJECTS

Posture Helper (Hackathon Award Winning)

Apr. 2018

An android app that corrects user's posture using proximity sensors

- Implemented backend section using Node.js
- Received the *Most Creative Hack Award* in CUHack Hackathon

Moodapter (Hackathon Award Winning)

Feb. 2018

A VR game that helps user to relax using Muse headband

- Implemented backend sections to handle data streams from Muse Headband using Node.js
- Received the *Muse Headband Sponsor Prize* in HTV2 Hackathon

Charcoal Burning Simulation (School Project)

July 2018

A data visualization that simulates burning charcoal across time

- Implemented a heatmap data visualization to simulate burning charcoal by using python-MATLAB and partial differential equations (PDE) concepts

EDUCATION

University of Waterloo

Mechanical Engineering

Waterloo, ON, Canada

Sept. 2015 – Apr. 2020

MOOC (Mass Open Online Course)

Online

- Courses: Data Structures, Algorithms, Networking, Operating System (*In Progress*)

SKILLS

- Languages: JavaScript, TypeScript, Java, HTML, CSS, SCSS, SQL, python-MATLAB
- Others: Node.js, React, Angular, Bootstrap, Git, Bash, UNIX