

Osman Warsi

EDUCATION

McGill University | Montreal, QC, CA

September 2017 - May 2023

Software Engineering Co-op, BEng.

Courses: Algorithms & Data Structures, Operating Systems, Applied Machine Learning

Member of *Shared Reality Labs* under Professor Jeremy Cooperstock (2019/20)

WORK EXPERIENCE

IBM September 2023 - Present

Software Developer Associate

- Building websites for top canadian clients using Adobe technology (AEM, EDS)
- Implemented and working on the Adobe Practice infrastructure
- NextJS, AEM, HTL and Java

Citibank, North America May 2022 - August 2022

Software Developer Intern

- Improved an internal testing users tool used by developers across the department by developing core features
- SME for SSO and Implemented an SSO layer protocol by creating the web server and authentication system
- Technologies: JAVA Spring, Angular JS, MongoDB, OpenShift ECS, Tomcat, BitBucket, Amazon ROSA

Intact Financial Corporation Jan 2022 - April 2022

Automated Test Developer Intern

- Improved test coverage for *CPL* team by 25% by writing Groovy scripts and automated tests
- Contributed to reporting by analyzing daily builds and addressing failures across different teams
- Technologies: JAVA, Groovy, Selenium Grid, Kubernetes, OpenShift, Katalon

Unito | Montreal Jan 2021 - Aug 2021

Backend Software Developer Intern

- Increased company MRR by implementing key product APIs: *Microsoft Azure DevOps*, *Zoho Projects*, and *Notion*
- Developed backend controller logic, integration tests, and OAuth protocol using REST APIs and OOP
- Worked in an agile environment with the connectors team & performed weekly 1-on-1 code reviews
- Technologies: TypeScript, JavaScript, NodeJS, Mocha, MongoDB, DataDogs, GitHub, Asana, AWS services

GEEK-IT! | Montreal May 2019 - June 2019

Frontend Developer Intern

- Improved the cart checkout experience by implementing React components
- Fixed front-end bugs and performed user experience tests and documentation
- Technologies: React JS, JS, JSX, HTML, CSS, GitHub, GitLab, Trello

McGill Faculty of Arts (Work-Study Program) Sept 2019 - Dec 2020

Communications Assistant

- Led the content layout and design for the [OASIS](#) and [South Asian studies](#) websites.
- Assisted website managers in providing UI/UX support with the McGill Website Management System
- Technologies: HTML, WMS, CSS, Adobe Photoshop, InkScape

PROJECTS

Usable Labs - www.usablelabs.co Summer 2024

- Building a product design software house, implementing design, engineering and marketing all alone
- Feedback management system using NextJS, JS, Postgres

Pristine LCA - Human Computer Interaction Project Winter 2023

- Improved the user experience of a common LCA tool by building a prototype and following HCI procedures
- Designed the UI, implemented the python server connected to the OpenLCA API

Shared Reality Labs (SRL) under Prof. Jeremy Cooperstock Sept 2020 - April 2021

Engineering Capstone Project

- Worked with 4 members to train and test bus shelter & staircase object detection models by collecting 360° images
- Integrated the models in the existing Android application *Autour* to help visually impaired individuals
- Technologies: Python, Yolo, OpenCV, Android Studio, JAVA