

Louis Mollick

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Overview: Fourth year undergraduate searching for internships to develop work experience in software web development.

Education

Bachelor of Software Engineering
McGill University, Montreal, QC

September 2018 – 2022 (expected)

Languages: English (native), French (native)

Technical Skills

Languages: Typescript/Javascript, Java, C, CUDA, Python, OCaml, C#

Front-end: React.js, React Native (Expo), SPFx, Angular JS, Material-UI, Bootstrap, Sass, CSS, HTML

Back-end: Node.js, Express, Socket.io, Java Spring Boot, .NET Core

Database technologies: Mongoose (ODM), Hibernate/Spring Data JPA (ORM), PostgreSQL, MongoDB

Testing: Cypress, Cucumber (Gherkin), Jest, JUnit, Robot Framework with Selenium, Postman

Platforms, Tools & IDEs: Jira, Bitbucket, Git, Github, Heroku, Docker, Jenkins, Travis-CI, Github Actions, VSCode, Eclipse

Publishing Software: Microsoft Sharepoint, Wordpress, Microsoft Office, iMovie, Adobe Photoshop

APIs: Sharepoint, YouTube, Google Cloud Natural Language, Discord, Github, Pastebin, Cornerstone, Salesforce

Work Experience

Full Stack Software Developer at Stocate - ECSE458 Design Project (8 months)

stocate.com September 2021 - Present

- Designing features to improve the convenience and usability of the Stocate platform, which aims to help people buy sustainably
- Developing using full stack technologies such as React, React Native (Expo), .NET Core, PostgreSQL and E2E tests with Cypress
- Working an Agile team, participating in 2 week sprints and creating and managing Jira tickets

Web Software Development Student at BlackBerry — Remote (3 months)

Summer 2021

- Completed migration of the legacy “BlackBerry Square” portal to a new SharePoint version, visited by thousands of employees
- Wrote a Python script archiving legacy HTML articles in the new SharePoint website using the BeautifulSoup library
- Created SPFx web parts (React/Typescript) and Node.js scripts utilizing the SharePoint API to fulfill stakeholder requirements
- Designed an integration between the Cornerstone LMS and the Salesforce CRM, getting status of employee learning assignments
- Led bi-weekly standup meetings, efficiently distributing speaking time and eliciting updates about ongoing projects

Web Development Software Intern at Barco — Montreal, QC / Remote (4 months)

Summer 2020

- Designed & implemented the QR Code login feature for the Barco “Overture” A/V monitoring and control software application
- Developed using full stack technologies and tools such as AngularJS, React, Typescript, Node.js, MongoDB, Docker and Jenkins
- Wrote and performed End-to-end automation tests scripts using Robot Framework and the Postman API/Newman
- Worked in an Agile team, participating in Scrum meetings and creating and managing Jira tickets

Engineering Projects

Mixer (Spring Boot, React.js, Postgres, Cucumber, Heroku, Travis CI) - ECSE428

louismollick.github.io/Mixer Winter 2021

- As the technical lead in a group of 10 students, created a web application allowing users to be suggested Cocktails
- Participated in weekly Scrum meetings and grooming sessions, and planning sessions every sprint (2 weeks)
- Developed a full-stack web application using technologies such as Spring, Postgres, React (Material-UI) and deployed to Heroku
- Implemented an implicit flow OAuth 2.0 authentication system, using JWT tokens
- Tested using the Behavior-driven Development Framework Cucumber, as well as unit testing with Jest and JUnit.

You’re Not Emp-Tea (React.js, Socket.io, Phaser.io, Node.js, MongoDB)

notemptea.herokuapp.com January 2020

- Designed and deployed a Full-Stack multiplayer web game, connecting multiple clients with Socket.io
- Implemented a secure OAuth flow, allowing login through Discord
- Deployed server to Heroku and the database to MongoDB Atlas

MuhSeats (Javascript, Bootstrap, HTML5)

louismollick.github.io/MuhSeats January 2019

- Made a static web application allowing McGill students to be notified when a seat is available for a desired course
- Used web-scraping to obtain the number of remaining seats from McGill’s schedule builder application (VSB)