Louis Mollick

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Overview
Third year undergraduate searching for internships in order to develop work experience in software development.

Education
Bachelor of Software Engineering, Engineering Internship Program   **September 2018 – 2023 (expected)**
McGill University, Montreal, QC

Languages
English (native), French (native)

Technical Skills
Languages: Typescript, Java, C
Front-end: React.js, Angular JS, Bootstrap, Material-UI, HTML, Sass, CSS
Back-end & Databases: Node.js, Java Spring, Socket.io, Hibernate/Spring Data JPA (ORM), Mongoose (ORM), Postgres, MongoDB
Testing: Cucumber (Gherkin), Jest, JUnit, Robot Framework with Selenium, Postman
Tools & IDEs: Jira, Docker, Jenkins, Git, Github, Travis-CI, Arduino, VSCode, Postman, Eclipse, MIT App Inventor 2
Publishing Software : Microsoft Office, iMovie, Adobe Photoshop, Wordpress

Work Experience
Web Development Software Intern at Barco in Montreal, QC (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
- This internship was conducted entirely remotely, developing in a Linux VM environment (via VSCode SSH Extension)

Freelance Wordpress Website Deployment for Businesses (DigitalAlpinist.com, Agrico.it, Wondare-Conception.com)   Winter 2019
- Designed multiple Wordpress websites using premium themes, according to client's vision
- Managed deployment on hosting services such as BlueHost, completed domain name and hosting transfers

Engineering Projects
Mixer, a cocktail generator (Spring Boot, React.js, Postgres, Cucumber, Heroku, Travis CI) - ECSE428   **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.

MSACwatchschedule (React.js, AWS Lambda, Node.js, Pastebin & Github API)   **December 2021**
- Created a tool allowing club members to schedule online meetings and update a common schedule on our Discord Server
- Designed an intuitive user interface using React.js and Bootstrap components, allowing users to visualize CRUD operations
- Coded and deployed AWS Serverless functions completing CRUD operations by interacting with multiple APIs

You're Not Emp-Tea: Online Puzzle game (React.js, Socket.io, Phaser.io, Node.js, Mongoose)   **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)   **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)
- Designed a pleasant user experience using Bootstrap and localStorage. Visit at louismollick.github.io/MuhSeats