

Alastair Lee

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Portfolio: <https://honsumal.github.io/portfolio/>

SUMMARY

Full Stack Web Developer with a background in Chemical Engineering. Recently obtained a certificate in Full Stack Development from the University of Toronto. Primary language is English, with fluency in Cantonese and a background in Mandarin.

TECHNICAL SKILLS

JavaScript ES6+, CSS3, HTML5, jQuery, Bootstrap, Materialize, Handlebars, React, Python 3, Node, Express, SQL, NoSQL, MongoDB, Apollo GraphQL, Test-driven Development

EDUCATION

University of Toronto, School of Continuing Studies, Toronto, ON

Certification of Completion of Coding Bootcamp

Aug 2022 – Nov 2022

University of Rochester, Department of Chemical Engineering, Rochester, NY

Master of Science in Chemical Engineering

2020 – 2021

Bachelor of Science in Chemical Engineering

2016 – 2020

PROJECTS

Swift Bank

Nov – Dec 2-22

GitHub Repository: <https://github.com/pav1593/swift-bank>

Deployed Site: <http://swiftbank.herokuapp.com/>

Tools: Material UI, MongoDB, ExpressJS, REACT, NodeJS, Apollo GraphQL, JWT Web Token

- Created a one-page banking site that allows users to view their accounts and make transactions.
- Linked the front-end and back-end of the site and performed a majority of the testing of the site's features.
- Performed as project manager, set up the project's Kanban board, kept group members' on track with tasks, and limited the scope of the project when needed.

The Lending Station

Oct – Nov 2022

GitHub Repository: <https://github.com/sashdc/the-lending-station>

Deployed Site: <https://the-lending-station.herokuapp.com/>

Tools: JavaScript, CSS, SQL, MySQL, Express, Node, Handlebars, jQuery

- Created a functional library site for librarians to store information on their books, their library's readers, and the readers' reviews.
- Constructed the whole backend of the site, including creating models, seeding, and the create, put, and delete requests for the site.
- Acted as project manager, setting up a mini-daily scrum, delegating tasks and updating the project's Kanban board and reminded group members to do so when needed.

News Aggregator Site

Oct 2022

GitHub Repository: <https://github.com/Honsumal/news-headline-aggregator>

Deployed Site: <https://honsumal.github.io/news-headline-aggregator/>

Tools: JavaScript, CSS, HTML, Materialize

- Created a site that allows users to search up Canadian news by important headlines.

- Coded news API to properly make requests and feed that to a function that would display the headlines onto the site.
- Learned to use Materialize CSS to style the page and designed the page to effectively convey the requested information without distracting the user.

WORK EXPERIENCE

University of Rochester, Rochester, NY

Research Assistant, Computational Fluid Dynamics Group

Jun 2019 – May 2021

- Analyzed fluid flow in 30 patient-specific carotid arteries to identify patterns that could indicate stroke using ANSYS Fluent computer program.
- Used velocity data of stroke patients to find differences between stroke and non-stroke patients.
- Streamlined procedure for analysis by discovering shortcuts in the program that reduced the amount of manual processing time by up to 80% while maintaining accuracy.
- Functioned as a supervisor and mentor to other members of the group, helped to correct mistakes and answer questions on how to further analyze each patient.

Teaching Assistant, Lab in CHE Principles

Aug 2020 – Dec 2020

- Managed five groups of three students each in their lab projects, advised them and helped keep track of their progress.
- Consulted biweekly meetings to critique each groups' pre-lab reports and extrapolate potential difficulties they would have in lab.
- Mentored students outside of assigned hours. Answered questions and critiqued presentation materials through Zoom.

OTHER SKILLS

- Familiarity with Mathematica, AutoCAD, Space Claim, Design Modeler, and NX