

Treavor Gagne

(250) 617-1273 | gagnetreavor@gmail.com | [linkedin.com/in/treavorgagne](https://www.linkedin.com/in/treavorgagne) | github.com/treavorgagne

EDUCATION

University of Victoria Sept. 2017 - Aug. 2022 Grad
Bachelor of Software Engineering - BSEng - 3.8 GPA

EXPERIENCE

Software Developer Co-op May 2021 - Dec. 2021
National Resource Canada - Victoria, BC

- Developed a public facing government website using **PHP**, **JQuery**, and **MySQL** to implement features including real-time data visualization.
- Used a government **CSS** styling package to make English and French versions of features while meeting WCAG standards for user accessibility.
- Refactored **MySQL** queries to improve execution time up to 40% in some aggregate and group by queries to improve website performance.

Frontend Web Developer Aug. 2020 - Dec. 2020
Solaris Enterprises Inc. - Victoria, BC

- Developed a static continuous scroll webpage using **React.js**, **CSS**, and **HTML** to replace the old website and update the development stack.
- Worked with a UI designer to convert mock-ups to **React.js** components with accompanying **CSS** styling sheets for future reuse.

Full Stack Web Developer Co-op Sep. 2019 - Aug. 2020
Ergonomyx Technologies Canada Inc. - Victoria, BC

- Developed two full-stack applications related to a standing desk including a web-application and an ecommerce website hosted on **Heroku**.
- Used **HTML**, **CSS**, **JQuery**, **Postgres**, and **Python** to implement features for the ecommerce site, such as a cart checkout feature.
- Used **MongoDB** to store and aggregate user standing desk usage to display history on desk web-application.

PROJECTS

Scheduler Capstone Project

- Developed an algorithm to schedule semester courses using **Golang** and **Python** as a part of a 5 person sub-team interacting with 3 other 5 person sub-teams which make up a 20 person company.
- Communicated plug and play integration features with another company for a total of 40 people working closely together to produce swappable components.
- Followed agile development best practices, such as daily stand-ups, sprint planning/retrospectives, and client demos to develop the best possible project.

Portfolio & Blog Website

- In progress portfolio and blog website developed with a **React.js** frontend, **Node.js** backend using **Express**, and **MongoDB** database to store blogs.
- Components containerized with **Docker** and soon to be hosted on **AWS**.

Scalable Day Trading Project

- Developed a mock day trading application using **React.js** frontend, **Node.js** and **Python** backend with **Express**, and **Postgres** database with scaling the application for varying loads of users.
- **Dockerized** both frontend and backend to be hosted on **AWS** to autoscale.

LANGUAGES

- Python
- PHP
- HTML
- Golang
- JavaScript
- CSS

TECHNOLOGIES

- Git
- React.js
- Docker
- MongoDB
- Redis
- JQuery
- Node.js
- AWS
- Postgres
- MySQL
- Postman
- Heroku

SKILLS

- Agile Development
- Full-Stack Development
- Test Driven Development
- SQL and NOSQL Design
- Requirement Planning and Elicitation
- Scalable Design
- Technical Writing
- Teamwork

INTERESTS

- Reading
- Climbing
- Cooking
- Sports
- TV/Movies

REFERENCES

Available on Request