

Peng(Michael) Sheng Fan

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Education

Carleton University

Ottawa, ON

Bachelor of Engineering, Software Engineering, Co-op Option

September 2016 – June 2021

- CGPA 11.51/12.0 (A)
- Entrance Scholarship, Faculty of Engineering and Design Entrance Scholarship, Henry M Tory Scholarship, Chalmers Jack Mackenzie Scholarship, Harry S. Southam Scholarship

Experience

Co-op Student Developer

January 2019 – April 2021

Statistics Canada

Ottawa, Ontario

- Developed and maintained a web application using React, Node, PostgreSQL and Apollo Client that helps teams find, manage, and share ideas, experiences, and solutions to help design better product and services.
- Designed and developed a web application independently using React, Node, PostgreSQL and Apollo Client that serves as a survey management system.
- Built an authentication server using Orchard Core, a framework built on top of ASP.NET core, that makes creating test user account easy.
- Implemented responsive user interface using Material UI.
- Created and modified various Gitlab CI pipelines that involves building, testing, and deploying applications.
- Wrote Helm charts to deploy various applications using Octopus Deploy to a Kubernetes cluster.

Teaching Assistant

September 2020 – April 2021

Carleton University

Ottawa, ON

- Provided assistance to students during lab periods.
- Graded 30 - 40 lab assignments every week.

Projects

Mini Shopify | *Vue, Spring Boot, PostgreSQL, Heroku*

March 2021 – April 2021

- Course project done in a team of 5 with an agile approach using the Kanban framework.
- Participated in weekly scrum meeting.
- Set up Travis CI, and Flyway migrator for the team.
- Implemented controller actions and views for reading, creating, updating, and deleting products.

Url Shortener | *MERN Stack*

March 2021

- Exploratory project for using the MERN stack.
- Created a GraphQL layer for creating short urls.

4th Year Project | *Java*

September 2020 - April 2021

- Designed and built a Java GUI application using the MVC architecture that detects anomalies in firewall configuration files.
- Communicated effectively with team members.

Portfolio Site | *Gatsby*

March 2021

- Built a portfolio site with Gatsby that outlines my experience and projects.