Peng(Michael) Sheng Fan

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EDUCATION

Bachelor of Engineering, Software Engineering, Co-op Option   **September 2016 – Present**

Carleton University, Ottawa, ON

- 4th Year Undergraduate, CGPA 11.56/12.0 (A)
- Entrance Scholarship, Faculty of Engineering and Design Entrance Scholarship, Henry M Tory Scholarship, Chalmers Jack Mackenzie Scholarship, Harry S. Southam Scholarship
- Expected Graduation June 2021

SKILLS

- Javascript
- HTML
- CSS
- Python
- Java
- C

- React
- Node
- Apollo Client
- Orchard Core
- Docker
- Kubernetes

- Helm
- PostgreSQL
- Git
- C#

WORK EXPERIENCE

Co-op Student Developer   **January 2019 – February 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.
- Applied K Means machine learning algorithm to build a recommender.
- 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.
- Wrote Helm charts to deploy various applications using Octopus Deploy to a Kubernetes cluster.
- Created and modified various Gitlab CI pipelines that involves building, testing, and deploying applications.

Teaching Assistant SYSC 2006   **September 2020 – December 2020**

Carleton University, Ottawa, Ontario

- Provided assistance to students during lab periods and graded lab assignments.

APPLIED PROJECTS

Course Project – Elevator Simulator   **January 2020 – April 2020**

- Designed an elevator control system and simulator using various design patterns.
- Implemented an elevator scheduler using Java with multithreading and networking.