

# Peng(Michael) Sheng Fan

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## EDUCATION

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

Carleton University, Ottawa, ON

- 4<sup>th</sup> 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 | • React         | • Helm       |
| • HTML       | • Node          | • PostgreSQL |
| • CSS        | • Apollo Client | • Git        |
| • Python     | • Orchard Core  | • C#         |
| • Java       | • Docker        |              |
| • C          | • Kubernetes    |              |

## WORK EXPERIENCE

### **Co-op Student Developer**

**January 2019 – December 2020**

**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.