



# Michael Suriawan

Mechanical Engineering Graduate with Software Development Experience

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 Vancouver BC

## PERSONAL PROFILE

I am an enthusiastic software developer with one year of software development co-op experience. My experience involves building sophisticated web application, tackling both the frontend and backend aspect of the application. I will be a great addition to any team as I would aid in designing the best inventions out there that I can. All I need is an opportunity for me to do exactly that. Currently, I am looking for a junior software development position starting in May 2021.

## TECHNICAL EXPERIENCE

### SOFTWARE DEVELOPER CO-OP

*Copperleaf Technologies Inc, Vancouver BC*

January 2020 – September 2020

- Member of the Predictive Analytics team. Copperleaf C55 Predictive Analytics module is responsible for delivering the best investment strategy that maximizes business value while proactively managing risk.
  - Worked on multiple features and bug-fixing tasks for Predictive Analytics webpage and server-side services of Copperleaf's C55 software.
  - Developed numerous web pages, components and REST APIs to replace the use of C55's spreadsheet importer. This would make the C55 software easier to use and make the user experience more intuitive.
  - Built several backend services that improved the Predictive Analytics storing and reporting engine.
  - Added multiple integration tests and automated UI tests using Selenium Webdriver adhering to the *continuous delivery* principle.
  - Used Agile development methods and modern tools such as Git, Azure Devops, Jira and Confluence.
- ❖ **Environment:** Angular, C#, ASP.NET, SQL, Kendo, Selenium, Jenkins.

## TECHNICAL PROJECTS

### REACT SOCIAL MEDIA || [LINK](#) || [REPOSITORY](#)

A fully-featured social media, inspired by *Twitter*, where user could create, like and comment on various posts. User will also be notified when their post is being liked and commented by other users.

- ❖ **Environment:** React, Redux, Material-UI, Node.js, Express and Firebase.

### TETRIS || [LINK](#) || [REPOSITORY](#)

A fully-functioning *Tetris* game built for the web browser. The controls are simply the arrow keys on the keyboard. The game allows the user to rotate the pieces by pressing the up key on the keyboard.

- ❖ **Environment:** React, Hooks, CSS.

### SUDOKU SOLVER || [LINK](#) || [REPOSITORY](#)

A web application that allows the user to submit a sudoku question board and the application will then find the sudoku solution. It has the option to *auto-fill* that will create a sample sudoku question board and *clear* to clear the sudoku question board. The solution is written using generative recursion and backtracking search approach.

- ❖ **Environment:** HTML, CSS, Bootstrap, TypeScript.

## TECHNICAL SKILLS

### Front End:

- React
- Angular
- JavaScript / TypeScript
- JQuery
- HTML
- CSS / SASS
- Bootstrap
- Kendo

### Back End:

- C#
- ASP.NET
- Node.js / Express
- Python
- Django
- SQL
- Firebase
- AWS

### Testing / Tooling:

- Selenium
- Jenkins
- SQL Developer
- Postman
- Git
- NPM
- Figma

### Others:

- Material UI
- Redux
- Java
- Spring
- C
- MATLAB
- Atlassian / Jira

## EDUCATION

### The University of British Columbia

Bachelor of Applied Science

Mechanical Engineering – May 2021

GPA : 80.1 %

## AWARDS

### The University of British Columbia

Faculty of Applied Science - 2019W Session  
2019 Dean's Honour List

### The University of British Columbia

Faculty of Applied Science - 2018W Session  
2018 Dean's Honour List

## ACTIVITIES

Travelling,  
Basketball and  
a Technology Enthusiast!