

# Yu-Kai Chao

301-778 Humboldt Street, Victoria, BC, Canada V8W4A2

(778) 922-6499 | [yukaichao15@gmail.com](mailto:yukaichao15@gmail.com)

LinkedIn: [www.linkedin.com/in/yu-kai-chao-a46087135/](https://www.linkedin.com/in/yu-kai-chao-a46087135/) GitHub: <https://github.com/KaiChao15>

Portfolio: <https://kaichao15.github.io/>

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## **Qualifications and Skills**

- Experienced in programming Java, C, Python, PostgreSQL, Swift, HTML, CSS and JavaScript
- Experienced in version control system such as Git
- Ability to use various OS Systems: Unix/Linux, MacOS, iOS and Windows10
- Fundamental knowledge in Cloud Management such as AWS, Heroku and Google Cloud
- Capable of using numerous IDEs such as IntelliJ, PyCharm, VS Code, Atom, Eclipse and XCode
- Ability in using UI Design Tools: Adobe Photoshop, Lightroom, Adobe XD and Qt Creator
- Ability to use Microsoft Word, Excel and PowerPoint
- Strong logic with various algorithms, data structures and mathematical problems
- Great understanding in networking protocols such as TCP/UDP
- Self-motivated in working independently and good communicator as a team member
- Fluent in English, Mandarin and Taiwanese and Intermediate in Japanese

## **Competitions and Personal/Team Projects**

Building a database for an environmental-activist organization 07/2019

- Design an ER diagram for specific client needs
- Built a database using PostgreSQL
- Developed a simple UI for client to access the database using Python
- GitHub link: <https://github.com/KaiChao15/CSC370>

Personal Portfolio through GitHub page 05/2019

- Developed my personal website using HTML5, CSS3
- Built an interactive web page using JavaScript
- GitHub link: <https://github.com/KaiChao15/KaiChao15.github.io>

Data Analysis from massive data form Kaggle 04/2019

- Examined a speed dating dataset by excel and built a model to predict how well someone will do on an average speed date based on their input data
- Built models by using artificial neural net, linear regression and Jaccard Similarity
- Developed the model by using various python libraries such as NumPy, pandas and matplotlib
- GitHub link: [https://github.com/KaiChao15/Speed\\_Dating\\_Data\\_Anaylsis](https://github.com/KaiChao15/Speed_Dating_Data_Anaylsis)

Socket Programming for various protocols 04/2019

- Build up TCP connection, UDP for ping server and SMTP to send and receive emails
- Used Wireshark to capture packets
- GitHub link: <https://github.com/KaiChao15/CSC361>

Developing AI snake bot in Battlesnake Tournament 03/2019

- Created an AI snake bot in Python uses the bottle web framework to serve requests and the gunicorn web server for running bottle on Heroku
- Developed the project through GitHub with the team and good team communications
- GitHub link: <https://github.com/KaiChao15/Battle-AI-snake>

iOS mini-game Number Luck 12/2018

- Built a single view app game which user need to guess a number with limited life points by using Swift and XCode
- Learned about iOS application development and UI design
- GitHub link: [https://github.com/KaiChao15/Number\\_Lock](https://github.com/KaiChao15/Number_Lock)

## **Work Experiences**

Kitchen Staff 05/2016 – 12/2018  
Fujiya Foods Industry Victoria, BC, Canada

- Prioritised tasks in a limited time period for various kitchen orders
- Communicated with the team to provide the best service and good quality food

## **Volunteer**

Camosun International Peer Connection Volunteer 07/2013 – 08/2013  
Camosun College, International Office Victoria, BC, Canada

- Worked in teams to ensure that the event runs smoothly
- Developed teamwork skills and communication skills and learned to take responsibility for my position

## **Education**

University of Victoria 2014 – 2015 / 2016 - Present  
Bachelor of Engineering in Computer Science - 4th year (Expected Graduation 2020)

Camosun College 2012 - 2014  
University Transfer Program