

## Education

### University of Victoria

*Honours Bachelor of Science | Co-op*

Victoria, BC, Canada

Sept. 2017 – Present

- Major in Computer Science and Minor in Electrical Engineering.
- Cumulative GPA: 8.50 / 9.00
- Expected Apr. 2021

### Institute for Advanced Study, Shenzhen University

*Bachelor of Science*

Shenzhen, Guangdong, China

Sept. 2015 – Jun. 2017

- Major in Physics and Biology.
- Cumulative GPA: 3.76 / 4.00
- Credits towards H.B.Sc. at the University of Victoria.

## Research Interests

Computer Vision • Medical Image Processing • Deep Learning

I aim to combine deep learning and medical image processing to obtain expert diagnostic result as well as boost diagnostic accuracy. My ultimate goal is to predict disease before it happens.

## Research Experience

### Visual Computing Group | University of Victoria

*Undergraduate Research Assistant*

Victoria, BC, Canada

May 2019 – Aug. 2019

- TBD.

### Undergraduate Research Opportunities Conference

*Attendee*

Waterloo, ON, Canada

Sept. 27 2018 – Sept. 30 2018

- Fully funded workshop for top undergraduate students from North America to discover what graduate studies is like by working alongside faculty and current graduate students on mini-research projects and other activities at the University of Waterloo.

## Industrial Experience

### EncoreFX

*Software Developer Co-op*

Victoria, BC, Canada

Sept. 2018 – Dec. 2018

- Developed an online Foreign Exchange Trading and Payment platform, EncoreFX Express, using Angular and C# ASP.NET Core framework.
- Created user features and interfaces for facilitating interactions, which involves designing, developing, and testing new Angular components on the front-end, as well as building and updating new RESTful API on the back-end.
- Improved unit testing coverage using Jasmine, developed a Selenium test suite and researched in preventing Cross-Site Request Forgery and Cross-Site Scripting.

### Kinsol

*Software Developer Co-op*



Victoria, BC, Canada

May 2018 – Aug. 2018

- Developed several responsive chatbot applications using Python Flask framework, JavaScript ES6, jQuery, and Bootstrap framework.

- Improved Deep Neural Networks through hyper-parameter tuning, regularization and optimization for the chatbot team.
- Implemented the methods which detect and recognize different objects using OpenCV in Python for the traffic analysis team.

## Projects

Project Title	Keywords	Report / Demo
End-to-End Facial Expression Modifier	Conditional GAN Style Transfer	
Segmentation of Overlapping Cervical Cells by Joint Level Set Method	Level Set Method Segmentation	

## Selected Course History

Course Name	Grade	Instructor
Deep Learning for Computer Vision	A+ (94%)	Kwang Moo Yi
Medical Image Processing	A+ (95%)	Alexandra Branzan Albu
Introduction to Artificial Intelligence	A+ (90%)	Alex Thomo
Introduction to Computer Graphics	A+ (95%)	Li Ji

## Awards & Scholarships

### Associate with the Institute for Advanced Study, Shenzhen University

- Outstanding Innovative Talent (First Prize, 2017)
- Excellent Student to Academic Performance (Second Prize, 2017)
- Huaqiang Entrance Scholarship (Second Prize, 2015)