

Education

University of Victoria

Victoria, BC, Canada

Honours Bachelor of Science — Co-op

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

Shenzhen, Guangdong, China

Bachelor of Science

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

Victoria, BC, Canada

Undergraduate Research Assistant

May 2019 – Aug. 2019

- TBD.

Undergraduate Research Opportunities Conference

Waterloo, ON, Canada

Attendee

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

Victoria, BC, Canada

Software Developer Co-op

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

Victoria, BC, Canada



Software Developer Co-op

May 2018 – Aug. 2018

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

- Improved Deep Neural Networks, such as 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 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 Albu
Introduction to Artificial Intelligence	A+ (90%)	Alex Thomo
Introduction to Computer Graphics	A+ (95%)	Li Ji

Awards & Scholarships

Associate with 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)