Yiping Wang

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/yiping-wang

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 achieve the level of expert diagnosis 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 — 27^{th} Sept. 2018 – 30^{th} Sept. 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 through hyper-parameter tuning, regularization and optimization for the chatbot team.

– Implemented 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 Wasserstein GAN	
Segmentation of Overlapping Cervical Cells by Joint Level Set Method	Level Set Method Segmentation Pap Smear Image Analysis	

Selected Course History

Associate with the University of Victoria

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)