

Yiping Wang

yiping.wang@uwaterloo.ca | yiping.wang.vision | github.com/yiping-wang |  Permanent Resident

EDUCATION

University of Waterloo

Master of Mathematics in Computer Science, 91%

Waterloo, Ontario, Canada

Sept. 2021 – Expected Aug. 2023

University of Victoria

Honours Bachelor of Science in Computer Science, 91.68%

Victoria, British Columbia, Canada

Sept. 2017 – Apr. 2021

MACHINE LEARNING EXPERIENCE

Research Intern

Google

May 2022 – Aug. 2022

Kitchener, Ontario, Canada

- Research in Vision Transformer for image classification and object detection.

Research Assistant

University of Waterloo

Sept. 2021 – Expected Aug. 2023

Waterloo, Ontario, Canada

- Research in high-order optimization methods for weakly-supervised semantic segmentation.

Research Assistant

University of Victoria

Sept. 2020 – Apr. 2021

Victoria, British Columbia, Canada

- Researched the value of training environments and generalization in Multi-agent Reinforcement Learning.

Research Intern

Imagia

May 2020 – Dec. 2020

Montréal, Québec, Canada

- Researched in generative models for lung 3D CT-scans.

Research Intern

University of British Columbia

Sept. 2019 – Apr. 2020

Vancouver, British Columbia, Canada

- Researched in patch-level and WSI-level classification for ovarian carcinoma whole-slide pathology images.

Research Intern

University of Victoria

May 2019 – Aug. 2019

Victoria, British Columbia, Canada

- Researched in patch-level tumour segmentation for the liver carcinoma whole-slide pathology images.

PUBLICATIONS

- Multi-agent Summative Assessment Improvement for Unsupervised Environment Design
- Classification of Epithelial Ovarian Carcinoma Whole-Slide Pathology Images Using Deep Transfer Learning
- Synthesis of diagnostic quality cancer pathology images
- Conditional Generation of Medical Images via Disentangled Adversarial Inference
- CT-SGAN: Computed Tomography Synthesis GAN

SOFTWARE DEVELOPMENT EXPERIENCE

Software Developer Intern

Global Reach Group

May 2021 – Aug. 2021

Victoria, British Columbia, Canada

- Data engineering with ETL and created CI/CD pipelines for Gradle and .NET Core projects.

Software Developer Intern

Global Reach Canada

Sept. 2018 – Dec. 2018

Victoria, British Columbia, Canada

- Contributed to a foreign exchange trading and payment platform using Angular and C# ASP.NET Core.

Software Developer Intern

Kinsol

May 2018 – Aug. 2018

Victoria, British Columbia, Canada

- Developed responsive chatbot applications using Python Flask, JavaScript, jQuery, Bootstrap and Rasa.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, C#, SQL, Scala

Libraries: PyTorch, TensorFlow, Angular, Unity, .NET Core, OpenCV, OpenGL

Tools: Git, Docker, AWS, Linux, L^AT_EX