

Yun Kai Peng

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EDUCATION

McGill University

Montreal, CA

B.Sc in Computer Science and Mathematics - CGPA: 3.73/4.00

Sept. 2018 – Dec. 2021

- Relevant Courses: Computer Vision, Machine Learning, OS, Data Structures and Algorithms

WORK EXPERIENCE

Amazon

May 2021 – Present

Software Development Engineer Intern

Toronto, CA

- Working for Customer Service Associates in handling customer communications by providing the necessary recommendations to users and routing contacts.
- Using Java, React, Typescript, Redux, GraphQL and AWS products to build a web app capable of routing customer requirements to customer agents.

McHacks

April 2020 – Present

Developer

Montreal, CA

- Development using React, TypeScript, MongoDB, Express and NodeJS to build multiple web applications for McGill University's hackathon.

Caisse de Dépôt et Placement du Québec (CDPQ)

May 2020 – August 2020

Software Engineer Intern

Montreal, CA

- Developed widgets in React with Typescript and Sass to build a new intranet for all internal employees.

Manulife (John Hancock)

January 2020 – April 2020

Full Stack Software Engineer Intern

Montreal, CA

- Voted top contributor.
- Worked on an internal web application for the quantitative team to implement mathematical models for risk management, investments and pricing.
- Used React, JavaScript, Spring Boot Java and SQL Server to build the UI and Rest APIs in an Agile environment.

UMAKnow

July 2019 – December 2019

Software Developer Intern

Montreal, CA

- Used the .Net framework with C# and XML to develop a cloud computing diagram generator for web services such as AWS, Azure and Google Cloud.
- Wrote automated tests for the WPF application in Appium.

Canadian Armed Forces – Royal Montreal Regiment

2017 – 2019

Infantryman – Private

Montreal, CA

RESEARCH

McGill University

October 2020 – Present

Undergraduate Research Assistant

Montreal, CA

- Implemented algorithms such as Hybrid Bipartite Graph Formulation in Python to predict patterns in crowd sourced data from Eve Online under Dr.Jérôme Waldispühl's supervision.

PROJECTS

Mindbook | *React.js, FireBase, Node.js*

February 2020

- Daily mental health journal with sentiment analysis and recommended music.

Paintrix | *Python, Wrench API*

November 2019

- Used Wrench's API to build an application capable of drawing by hand gesture in front of a camera.

TECHNICAL SKILLS AND LANGUAGES

Programming: Java, Python, C, SQL, JavaScript, TypeScript, HTML/CSS

Frameworks: React, Node.js, SpringBoot

Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn

Languages: English, French, Mandarin

Certifications: DeepLearning (Coursera), React (Udemy)