YUN KAI, PENG

Software Engineer

PROFILE

Second year Computer Science and Mathematics Joint Major Student at McGill University. Full stack developer at Manulife (John Hancock).

CONTACT

Website:
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GitHub:
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SKILLS

Java • Python (NumPy, Matplotlib, Pandas, TensorFlow) • React.js • C • C# • JavaScript • HTML • CSS • Spring Boot • XAML • Microsoft Suite • MIPS • OCaml • SQL • .Net • Git/Gitlab

CERTIFICATIONS

• Deep Learning Specialization: Coursera
• React-The Complete Guide: Udemy

COURSES COMPLETED

Algorithms and Data Structures • OS • Programming Languages and Paradigms • Linear Algebra • Calculus 3 • Discrete structures

EXTRA-CURRICULAR

• Veteran (Canadian Armed Forces Reserves – Infantry, Private)
• Membre of l'Orchestre des Jeunes de Montréal (OSJM).
• Sports: College and high school rugby player, summer tennis coach

EXPERIENCE

FULL STACK SOFTWARE ENGINEER – INTERN

MANULIFE/JOHN HANCOCK || JANUARY 2020-PRESENT

- Worked on an internal web application for the Quantitative Team to implement complex mathematics models for risk management, investments and pricing.
- Used React.JS, Spring Boot Java and SQL Server in an Agile environment. Implemented Restful API's.
- Developed many functionalities ranging from automated PowerPoint presentations based on client accounts, dynamic web graph and table based on mathematical models and UI design for better user experience.
- Took charge of many releases to different environments.

SOFTWARE DEVELOPER – INTERN

UMAKNOW || JULY 2019-DECEMBER 2019

- Worked on a cloud computing diagram generator for web services such as AWS, Microsoft Azure and Google Cloud.
- Used the .Net framework with C# and XML to develop a WPF application.
- Participated in the UI design and wrote an automated manual tester for the windows application.

EDUCATION

JOINT MAJOR IN MATHEMATICS AND COMPUTER SCIENCE

MCGILL UNIVERSITY

SEPTEMBER 2018 – DECEMBER 2021

CGPA: 3.58/4.00

PROJECTS

MINDBOOK

Daily mental health journal with sentiment analysis with recommended music. Built with IBM Watson, ReactJS, Firebase and NodeJS.

PAINTRIX

Used Wrench's API to build a windows application capable of doodling drawings in the air.

PROPERPARK

Produced a fully working mobile application with React. Native to determine with computer vision if parking is permitted by taking a picture of the sign.

RESEARCH

Undergoing dimensionality reduction research using t-SNE under Dr. Jérôme Waldispühl's supervision at McGill University.