YUN KAI, PENG

PROFILE

Third year Computer Science and Mathematics Joint Major Student at McGill University.

CONTACT

Website:
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SKILLS

Java • Python • React.js • C • C# • JavaScript • TypeScript• HTML • CSS • Sass • Jest • Spring Boot • XAML • Microsoft Suite • MIPS • OCaml • SQL Server • MongoDB • .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

MILITARY

CANADIAN ARMED FORCES

2017-2019

Infantryman in the Canadian Armed Forces reserves.

EXTRA-CURRICULAR

• Member of OSJM (orchestra symphonique des jeunes de Montreal) as a violin player.
• Sports: College and high school rugby player, summer tennis coach

EXPERIENCE

SOFTWARE ENGINEER – INTERN

CAISSE DE DEPOT ET PLACEMENT DU QUEBEC (CDPQ) || MAY 2020-PRESENT

- Development in TypeScript, Sass and Cypress for a new intranet

DEVELOPER COORDINATOR

MCHACKS || MAY 2020-PRESENT

- Organizing member of McGill University's hackathon, McHacks.
- Development using ReactJS (TypeScript and JavaScript), Mongo DB, Express and NodeJS.

FULL STACK SOFTWARE ENGINEER – INTERN

MANULIFE/JOHN HANCOCK || JANUARY 2020-APRIL 2020

- 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.

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.

EDUCATION

JOINT MAJOR IN MATHEMATICS AND COMPUTER SCIENCE

MCGILL UNIVERSITY
SEPTEMBER 2018 – DECEMBER 2021
CGPA: 3.58/4.00

PROJECTS

GALE-SHAPLEY GAME

Web app developed with ReactJS to practice the Gale-Shapley algorithm of stable-matching. Uses Fisher-Yates shuffle to generate new cases.

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 an application capable of drawing in the air.

PROPERPARK

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

RESEARCH

Undergoing machine learning research in bioinformatics under Dr. Jérôme Waldispühl's supervision at McGill University.