

Artina Sin Iat Sam

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EDUCATION

University of Toronto Scarborough

September 2018 – April 2022

Honors Bachelor of Science with High Distinction

- Major in Computer Science and Mathematics (CGPA: 3.93 out of 4)
 - Awards: Macau Foundation Special Merit Scholarship
 - University of Toronto Scarborough Dean's List
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SKILLS

- C, Python, Java, C#, R, Matlab
 - HTML, CSS, JavaScript
 - Bootstrap, JQuery, Angular JS, React
 - Flask, Django, Node.js
 - REST, GraphQL
 - .NET Core, Entity Framework
 - SDLC, Agile, Scrum methodology, SVN, Git
 - SQL, C# LINQ, MongoDB, Neo4j
 - PyTorch, Tensorflow, OpenCV
 - Figma, JustInMind Prototyping software
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EXPERIENCE

Math AI Teacher, Macau Pui Ching Middle School

September 2022 – present

- Created and taught a new curriculum for junior secondary mathematics with artificial intelligence in collaboration with the other math department teachers.
- Taught and coached students in creating their own innovative inventions using python, machine learning and raspberry pi.
- Coached 18 students to take the Artificial Intelligence Competence Evaluation (AICE), resulting with all passing and 38% scoring distinction.

Teaching Assistant, University of Toronto Scarborough

September 2021 – April 2022

- Taught Linear Algebra I, Calculus I, and Computer Science II, mentoring around 20 students per course.
- Graded quizzes, tests and homework to provide students with timely academic progress information and feedback according to university standards.
- Encouraged class discussions by building discussions into lessons, actively soliciting input, asking open-ended questions and using techniques to track student participation.

Online Tutor, TutorOcean

October 2020 – present

- Analyzed student progress to adjust lesson planning for improvement.
- Collaborated with 30+ students to complete homework assignments, review material, identify lagging skills, and correct weaknesses.
- Developed student confidence through attentive instruction in calculus and linear algebra, applying positive reinforcement strategies.

System Analyst Co-op, TTC

January 2021 – April 2021

- Mapped Excel processes to holistically examine business flow and identify improvement opportunities, reducing task work by 80%.
- Synthesized current business intelligence data to produce reports and polished presentations, highlighting findings and recommending changes.

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- Created accurate and efficient VBA macros to manage automated formatting of specific audit data.

Application Development Co-op, Softchoice

May 2020 – August 2020

- Delivered performance-driven and user-centric websites using SQL, LINQ and JavaScript that met all business requirements, allowing managers to monitor their monthly sales performance.
- Designed and implemented a notification schedule tool that automates site maintenance emails for employees.
- Reviewed code to validate structures, maintain organization architecture and verify browser, device and operating system compatibility.

Projects

Enhanced Online Storytelling Web App (React)

March 2022

- On a team of 3, built an web application using React, Node.js and various libraries including WebRTC
- Deployed the web application using a VM as the host, nginx to serve the dockerized frontend and backend and as a reverse proxy, and Cloudflare to secure the site.

Startup Marketplace Web App (Python)

Summer 2021

- On a team of 7, practiced Scrum to build an web application for entrepreneurs to set up their startup
- Used Python, Flask, MySQL, HTML, CSS, Bootstrap and JavaScript
- Developed frontend and backend of Company Management page, refactored backend into 3-tier architecture, and reviewed team members' pull requests to ensure the quality of the work

Shopping Application (Java)

November 2019

- Used SOLID design to structure classes and interfaces to create a model used for an Android shopping app
- On a team of 5, created layouts, implemented functionalities to allow users to shop, restock items and view shopping history depending on their roles
- Practiced Agile Scrum and used SVN as version control

Discord bot (Python)

July 2019

- Collaborated on a team of two to create a discord bot that stores and sends embedded images upon command
- Used Python I/O functions to keep a file of used links up to date