

Yi Lin Sim

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EDUCATION

Bachelor's Degree - University of Michigan Ann Arbor, US | Sep 2019 - May 2023

- Major: Computer Science | Minor: Business
- GPA: 4.0/4.0 | William J. Branstrom Freshman Prize (Top 5% in College of Literature Science and the Arts)
- Relevant coursework: Programming and Introductory Data Structures in C++ (A+) | Discrete Math (A+) | Linear Algebra (A)

WORK EXPERIENCE

Softinn Solutions | Software Developer Intern | June 2020 - Present

- Develop hotel booking engine and property management software for hotels using ASP.NET MVC and AngularJS
- Build mobile-responsive hotel websites for clients with customized themes, integrated with content management system

Michigan Medicine | Part-time Web Developer | Oct 2019 – Apr 2020

- Increased alumni engagement using HTML email marketing campaigns through MailChimp (Reached out to over 60k alumni)
- Built visual interface that displays server-hosted images and automated monthly productivity reporting using Asana API

PROJECTS

Hotel Review Website | ASP.NET MVC, SQL, AngularJS, Bootstrap | June 2020

Website for creating and displaying reviews, incorporating COVID-19 alerts and ChartJS line chart

Michigan Medicine Website | JavaScript, Bootstrap, CSS, HTML | May 2020

Custom mobile-responsive page for new Michigan Medicine website

Music Quiz Website | Python Flask, Firebase, JavaScript, CSS, HTML | Nov 2019

Music quiz site with features such as custom quizzes, leaderboard, form validation, and dynamic background

EatConnect Mobile Application | Android Studio, Java, Firebase | Sep 2019

Social-focused food recommendation app developed during the MHacks hackathon

ACTIVITIES

UM::Autonomy Student Organization | Business Lead | Sep 2019 - Present

- Manage organization's budget and actively seek sponsorship and outreach opportunities
- Research the potential of deep learning in improving object detection capability of autonomous boat
- Rebuilt team website for better branding and maintained up-to-date member information using Jekyll
- Implemented circle-fitting algorithm to improve boat's dock detection ability using C++

Coding Tutor Volunteer | Nov 2019 - June 2020

- Digitize mentoring program (web dev, C++)
- Girls Who Code Web Dev Workshop
- PyGame Workshop
- Ann Arbor Hour of Code

World Quant Challenge | July 2019

- Developed alphas (mathematical models) for quantitative trading on simulation platform
- Achieved one of the highest scores on the regional leaderboard and presented in Malaysia National Finals

President of Anderson Junior College Harmonica Band | May 2017 - May 2018

- Increased performance quality and recognition of band, leading to an improvement in member count from 7 to 22 members
- Organized band concert, and oversaw band activities (public performances, orientation camp, community service project)

AWARDS

Pan Asia Alumni Scholarship | University of Michigan | 2019

- One of two outstanding undergraduate students from Asia to receive scholarship funded by university alumni

ASEAN Pre-University Scholarship | Singapore | 2017

- Full merit scholarship, including hostel accommodation and allowance, to study in Singapore for 2 years

ONLINE COURSES

- JP Morgan Software Dev Virtual Experience (InsideSherpa)
- Web Applications for Everybody Specialization (Coursera)
- Andrew Ng's Machine Learning course (Coursera)
- Machine Learning with Python Track (Datacamp)
- Google Cloud Platform Fundamentals (Coursera)
- Python Programmer Track (Datacamp)

ADDITIONAL

Technical skills: C++, Python (Flask), C# (ASP.NET), JavaScript (React, AngularJS), Web Dev (HTML, CSS, Bootstrap, Jekyll, Drupal 8), Git

Languages: English, Malay, Chinese (spoken)

Interests: Dance, Music (Harmonica, Piano), Astronomy