

Yi Lin Sim

Email: simyilin@umich.edu | **Phone:** +6012 319 7192

Website: <https://simyilin.github.io> | **LinkedIn:** <https://www.linkedin.com/in/yi-lin-sim>

EDUCATION

Bachelor's Degree (Computer Science) | University of Michigan Ann Arbor, US | Sep 2019 - May 2022 (Expected)

- 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

Michigan Medicine Office of Development | Web Developer | Sept 2019 – May 2020

- Increase alumni engagement using HTML email marketing campaigns through MailChimp (Reach out to over 60k alumni)
- Designed new email template for fundraising campaign, used Litmus to test template for cross browser and email client compatibility
- Created compelling user interface to display images hosted on server using Bootstrap, PHP and JavaScript
- Coded Python script to automate monthly productivity reporting using Asana API

PROJECTS

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

Built mobile responsive page for new Michigan Medicine website

Michigan Hackers Student Organization Website | React | Jan 2020

Added Google OAuth sign in using react-google-login npm package

UM::Autonomy Student Organization | Jekyll | Ubuntu VM, ROS, C++, GitLab | Sep 2019 - Dec 2019

- Rebuilt team website for better branding and maintained up-to-date member information
- Implemented and tested new circle fitting algorithms which would increase dock detection capability of autonomous boat

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

Worked in a team of 4 to implement features such as custom quizzes, leaderboard, form validation, and moving background

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

Worked in a team of 3 to develop a social-focused food recommendation app during the MHacks hackathon

Web Portfolio | HTML, CSS, JavaScript | Aug 2019

Culmination of effort to self-learn web development through online courses during the summer of 2019

ACTIVITIES

Volunteering

- Girls Who Code Web Dev Workshop | Dec 2019
- STEM outreach program | Nov 2019
- Tutor for children from low-income families | July 2017 - June 2018
- Ann Arbor Hour of Code | Dec 2019
- PyGame Workshop | Nov 2019

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 | Singapore | May 2017 - May 2018

- Increased member count from 7 to 22 members
- Organized annual concert, 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

- Web Applications for Everybody Specialization (Coursera)
- Web Design for Everybody Specialization (Coursera)
- Andrew Ng's Machine Learning course (Coursera)
- Machine Learning with Python Track (DataCamp)
- Unity Game Development course (Coursera)
- Google Cloud Platform Fundamentals (Coursera)

ADDITIONAL

Technical skills: C++, Web Dev (HTML, CSS, Bootstrap, Javascript, PHP, Jekyll, Drupal 8, Flask, React), C# (Unity Game Dev), Git

Languages: English, Malay, Chinese (spoken)

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