

# Yi Lin Sim

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Seeking opportunities for 2020 Summer/Fall Internship

## EDUCATION

**Bachelor's Degree (Computer Science and Cognitive Science) | University of Michigan Ann Arbor, US | Expected 2022**

- GPA: 4.0/4.0
- Relevant coursework: Elementary Programming Concepts (A+) | Multivariable and Vector Calculus (A)
- Winter 2020: Programming and Introductory Data Structures, Discrete Math, Linear Algebra

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## WORK EXPERIENCE

**Michigan Medicine Office of Development | Web Developer | Sept 2019 - Present**

- 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
- Currently developing new Michigan Medicine website using Drupal 8 and SASS theme customization

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## PROJECTS

**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**

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

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## ACTIVITIES

**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

### **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

**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)

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## 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

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## 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)

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## ADDITIONAL

**Technical skills:** C++, Web Dev (HTML, CSS, Bootstrap, Javascript, PHP, Jekyll, Drupal 8), Python (Flask, scikit-learn), C# (Unity Game Dev), Android Studio, Git  
**Languages:** English, Malay, Chinese (spoken)  
**Interests:** Dance, Music (Harmonica, Piano), Astronomy