

Yi Lin Sim

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EDUCATION

Bachelor's Degree (Computer Science and Cognitive Science) | University of Michigan Ann Arbor, US | 2019-2023

- 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

Singapore-Cambridge A-Levels (6 Distinctions) | Anderson Junior College, Singapore | 2017-2018

AWARDS

Pan Asia Alumni Scholarship | University of Michigan | 2019

- Funded by alumni, one of two outstanding undergraduate students from Asia to receive scholarship

ASEAN Pre-University Scholarship | Singapore | 2017

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

2nd Place for Neuroscience Research Paper | STEP-NUS Brain Camp, Singapore | 2017

- Out of 36 teams from 10 ASEAN countries and China, India, Japan and South Korea

Beaver Computational Challenge Gold Medal (Top 1.6%) | Malaysia | 2016

WORK EXPERIENCE

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

- Increase alumni engagement through HTML email marketing campaigns (Reach out to over 60k alumni)

- Projects: Designed, built and tested new email template | Created compelling user interface to display images hosted on server

ACTIVITIES

UM::Autonomy | University of Michigan | Sept 2019 - Present

- Project team with a focus on building autonomous boats for the annual RoboBoat challenge

- **A.I. Team** : Improve circle fitting algorithm to increase boat's dock detection capability (ROS, C++, GitLab)

- **Business Team** : Foster relationships with sponsors, raised \$3000 as of now | Rebuild team website for better branding

MHacks Hackathon | EatConnect Mobile Application | Sept 2019

- Used Machine Learning techniques to provide food recommendation when planning to eat out with another person

- Worked on mobile application development and integration with Firebase

World Quant Challenge | July 2019

- Developed alphas (mathematical models) for quantitative trading on simulation platform | Reached silver level by earning points

- Achieved one of the highest scores on the regional leaderboard and presented in Malaysia National Finals

Various Voluntary Student Organizations

- Girls Who Code Web Dev Workshop | Dec 2019

- Ann Arbor Hour of Code | Dec 2019

- STEM outreach program | Nov 2019

- PyGame Workshop | Nov 2019

Volunteer Tutor at Local Grassroots | July 2017-June 2018

- Tutored elementary and middle school children from low-income families, provided homework help and encouragement

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

- Recruited 16 new members from the original 7 members

- Organized annual concert, oversaw band activities (public performances, orientation camp, community service project)

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)

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