

# Miao Zi Wee

1831 Lake Lila Dr, Apt# B7 • Ann Arbor, MI 48105 • (734) 545 9884 • mzwee95@gmail.com • <https://github.com/mzwee>

## EDUCATION

University of Michigan, Ann Arbor, MI  
Bachelor of Science, Computer Science  
CGPA - 3.692 / 4.0

Expected Graduation May 2018

## RELEVANT COURSEWORK

Data Structures and Algorithms (A+), Database Management Systems, Introduction to Artificial Intelligence, Computer Game Design and Development, Introduction to Computer Organization, Computing for Computer Scientists, Foundation in Computer Science, Discrete Mathematics, Social Life in Digital World, Introduction to Computer Security (in progress), Introduction to Operating Systems (in progress), Video Games and Learning (in progress).

## WORK EXPERIENCE

### Microsoft Corporation

Explorer Intern

May - August 2016

Worked with the PowerShell team to develop client side web application for PowerShell Script Analyzer.

- Collaborated with two interns to design and implement user interface for Script Analyzer web application.
- Improved Script Analyzer service existing code.

## PROJECTS

- Help, Alexa! (SpartaHack 2016) *[Firebase]*
  - Developed Alexa Skill that collects and processes requests from patients through Amazon Echo and displays the requests in Android app.
  - Developed a web app using React and Chart.js that visualizes requests data for analysis purpose.
- IWanToKnow.Me (BoilerMake 2015 project)
  - Developed a chrome extension that analyzes user's browsing habits.
  - Contributed mostly on data visualizations web application using dc.js, d3.js and Square Crossfilter..
- Peer to Peer (HackMIT project) *[Parse]*
  - Developed a web application that helps college students to borrow and lend items conveniently.
- GroupMyContacts (MHacks 6 project) *[Android API, Firebase]*
  - Developed an android app that facilitates fast communication with designated contacts in different situations.
- Go-CU (HackIllinois 2015 project)
  - Developed a pebble smartwatch app that searches for the nearest bus stop using CUMTD API and informs the user on when the next bus will be arriving and leaving.
- Midwest Games 2015 Web Development - Codename Sambal
  - Developed a web application that allows participants to obtain latest information, form teams and register for tournaments using AngularJS and Ruby on Rails.
- Guinness World Record Attempt World Most Robots Dancing Simultaneously, 2012.
- Robot Soccer
  - Qualified for World Robot Olympiad 2011, Excellence Award and 2012, Top 16.
  - Malaysia National Robotics Competition Champion 2011.
  - Programmed fully autonomous robot soccer with HiTechnic IR seeker and compass sensor.
- Tracking Solar Flares with SuperSID Research in National University of Malaysia
  - Won Malaysia National Future Scientist Conference 2012 Gold Medal.
  - Collected VLF signal using loop antenna and pre-amp to identify occurrence of solar flares and verified findings with GOES data.

## ACTIVITIES

- SuperGEECS of Girls in Electrical Engineering and Computer Science (GEECS), 2014 - Present
- Active member of Eta Kappa Nu (HKN) Beta Epsilon, 2015 - Present
- Founder and President of Robotics Club, 2011 - 2012
  - Led the club with 35 members and organized annual school robot fair.

## SKILLS

Languages	: C++, C, C#, Javascript, Java, HTML, CSS
Operating Systems	: Arch Linux, Microsoft Windows
Frameworks	: Ruby on Rails, AngularJS, React, Express
Databases	: SQL, MongoDB