

# Edward Huang

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## EDUCATION

**University of Michigan**, Ann Arbor, MI

Expected May 2022

Bachelor of Science in Engineering - BSE (Computer Science); Minor: Statistics; GPA: 3.62

## WORK EXPERIENCE

(Rescinded) Software Engineering Intern, **Mercedes-Benz**, Farmington, MI

May 2020 – August 2020

- This was originally my summer internship for Summer 2020, but it was canceled due to COVID-19
- Worked on a few projects, two of which are listed under project experience: ClassBop and News Sentiment Analysis.

Research Assistant, **Research with Dr. Mohammed Saeed under Michigan Medicine**, Ann Arbor, MI

October 2019 – April 2020

- Developed electrocardiogram-viewing website served on Amazon Web Services, improving accessibility for Michigan Medicine doctors to thousands of patient records

Full Stack Intern, **Wonders Information Company**, Shanghai, China

May 2019 – July 2019

- Implemented website registration functionality for proposed construction projects and review system for approval of projects serving millions of users
- Identified and documented 70+ bugs through testing of website and created mockups for new features of the website

iOS Software Engineering Intern, **RollOut Deliveries**, Ann Arbor, MI

July 2018 – September 2018

- Achieved minimum viable product peer-to-peer food delivery iOS application in 12 weeks
- Designed and implemented Uber/Lyft-style map UI using Google Maps, online shopping flow, and facilitated implementation of transactions using the Stripe API

## PROJECT EXPERIENCE

**ClassBop** (Originally FeedBee), Full Stack Web Application

May 2020 – August 2020

- Site for hundreds of students to submit teacher evaluations and for teachers to view feedback and insightful trends on their performance
- Implemented CRUD functions and queries to extract data, styled website pages, and organized teacher performance data using algorithms
- Created with Django, Python, HTML/CSS, JavaScript, Chart.js, and Bootstrap 4
- Source code available at <https://github.com/RTiwary/FeedBee>

**News Sentiment Analysis**, Machine Learning Flask App using Scikit-learn

May 2020 – August 2020

- Conceived, designed, and deployed Flask app analyzing the sentiment of text based on 1.6 million tweets and images scraped from the Web
- Created, trained, and optimized support vector machine (SVM) model to improve accuracy of model from 63.6% to 82.0%
- Source code available at <https://github.com/edward2018211/news-sentiment-web>

**CISSMUN**, iOS App

February 2017 – January 2018

- Designed, built, and launched high school Model United Nations iOS app for directions and conference updates used by 1000+ attendees
- Source code available at <https://github.com/edward2018211/CISSMUN-iOS>
- Published on App Store at <https://itunes.apple.com/us/app/cissmun/id1323501359?mt=8>

## EXTRACURRICULARS

**Michigan Hackers**, iOS Core Lead

June 2019 – May 2020

- Led and managed a team of 10+ members new to iOS in creating an app from scratch
- Ran weekly team meetings, presented iOS tech talks and technical lessons, created onboarding projects, and provided technical help

**Michigan Chinese Business Club**, Member

January 2020 – Present

- Engaged in various discussions about current event topics related to finance and the market
- Participated in career workshops, gaining knowledge with networking and making connections

## SKILLS

**Languages:** C, C++, Swift, HTML, CSS, JavaScript, SQL, Java, Python

**Technologies:** Django, Git, Firebase, AWS, VS Code, Bootstrap, Xcode, Docker, Figma, Linux, LaTeX, Flask, Heroku, Chart.js, PostgreSQL

## RELEVANT COURSEWORK

Operating Systems (Fall 2020; covers distributed systems; projects include disk scheduler, thread library, and secure network file system), User Interface Development (Fall 2020), Computer Organization, Database Management Systems, Data Structures and Algorithms, Foundations of Computer Science, Discrete Math, Intro to Probability and Statistics, Multivariable Calculus, CS Pragmatics

## AWARDS/HONORS

**University Honors**, University of Michigan; **National Merit Commended Scholar**, National Merit Scholarship Corporation;

**AP Scholar with Distinction and AP International Diploma**, College Board