# Zhi Hao Tan

Zhi Hao is a computer science graduate from Monash University and a recipient of Monash High Achievers Award who is eager to apply his passion and skills in computer programming and software development experience to help enable businesses to solve complex problems.

https://www.linkedin.com/in/zhi-hao-tan-233b56199  in

ztan0040@gmail.com  ✉

+61 491 123 727  📱

57A Estelle Street, Bulleen, VIC 3105  📍

https://github.com/zhihao0040  🌐

## EXPERIENCE

### Research Position, Monash University IT Dept.
(12/2019 – 06/2020)
Developed a machine learning capable mobile app to predict if a patient will have complications when taking a medication.

- Created the pipeline and defined the work-flow for the development of the application.
- Researched methods to efficiently pull bulk data from the FHIR server.
- Learned the use of Android Studio for Android app development along with the use of TensorFlow and Keras.
- Learned to research and self-learn new skills.

### International Hackathon Team Leader, Hack Upstate XV
(12/2020 – 12/2020)
Created a relationship advice app using Flutter and powered by artificial intelligence.

- Led the back-end development team (4 members).
- Integrated the front-end with the back-end.
- Learned to use Flutter and Dart to create a cross-platform application.
- Learned about the software development life-cycle practically.
- Learned to work in a relatively big team (5 members in the back-end, and 7 in the front-end).

### Team Leader, Computer Science Project
(07/2020 – 11/2020)
Created a coronary artery disease prediction web app.
https://cadprediction.herokuapp.com

- Led a team of 3 - allocated tasks, organized meetings, resolved conflicts, and supervised team members' progress.
- Explored and used a novel feature selection technique.
- Developed machine learning models to embed inside the web app.
- Learned to work independently.
- Learned how to work on a project from scratch whilst applying knowledge obtained from all other units.

## EDUCATION

### Bachelor of Computer Science
Monash University

*01/2018 – 12/2020*                              *GPA: 3.917/4.000*
                                                 *WAM: 85.615*
High Distinction (HD) Average.

### IELTS (International English Language Testing System)

*20/1/2021*                                        *Band: 8.5*

- Writing: 7.0
- Reading: 9.0
- Speaking: 8.0
- Listening: 9.0

## AWARDS AND ACHIEVEMENTS

- Monash International Merit Scholarship (2020)
- Top 12% in Adv. Algo and Data Structures Cohort (2020)
- Monash High Achievers Award (2018)
- High Distinction in National Chemistry Quiz, Malaysia (2015)
- Silver Medal in Kangaroo Maths Competition (2015)

## VOLUNTEERING EXPERIENCE

### Volunteer, Salvation Army
(01/2020 - 01/2020)
- Collected donations for bush-fire victims and helped to raise a cumulative total of $8.4m.
- Learned to communicate with a variety of people.

### Business Consultant, Study Melbourne Live Project
(11/2019 – 01/2020)
- Analysed market penetration into India for Young Change Agents in a team of 5 as Study Melbourne Live Project's business consultant. Learned about working in a professional environment and learned to
- find out what users want.

## SKILLS

## PROGRAMMING LANGUAGES

- JavaScript: React.js, Node.js, Mocha.js, Material UI
- Python: SkLearn, Pandas, TensorFlow
- C: OpenMPI, POSIX, OpenMP
- Java
- TypeScript
- SQL
- HTML/CSS

## LANGUAGES

- English: Native
- Mandarin: Fluent but low literacy
- Malay: Fluent and literate

## INTERESTS

Machine Learning | Video Games | Philosophy | Badminton | Cybersecurity | Artificial Intelligence | Animations

## REFERENCES
*Available Upon Request*