

# Robert Diao

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## Projects & Experiences

### Catalyst Hack – Participant – 2018

Designed and developed a web platform to help the communication between universities and students with features such as subject recommendations and reviews. Developed on the React framework.

### Hack the City – Participant – 2018

Planned and designed a business case for an asset management system to help reduce asset loss for Downer and Spotless.

### UniHack – Participant – 2018

Designed and developed a safety focused navigation application to help users feel safe when returning home late at night. Developed on the Android platform using Java and Firebase database.

### iOS Navigation Application – Software Dev – 2018

Prototyped and developed a navigation app focused on helping the elderly navigate. Developed the location saving feature for the app. Project was developed on Swift with Firebase database.

### Board game AI – Software Dev – 2017

Designed and developed an AI system to play a custom boardgame by utilizing algorithms and data structures such as the Minimax tree and A star. Developed on Python 3.

### Flare Dance Ensemble – Committee Role – 2017

Filmed and managed video content for Flare Dance. Club contained 900+ members. Videos were edited in Adobe Premier.

## Education

### University of Melbourne – 2016 - present

The Bachelor of Science, Major in Software and Computing. Course work included software design, models of computing, project management and object-oriented design principles. Expected mid-2019 Graduation.

## Activities & Awards

**Western Chances Scholarship Recipient:** Selected applicant from the western region to receive educational funding until education goals are achieved.

**Renewal Church Volunteer:** Aided orphaned elders from the 2008 Sichuan Earthquake.