

# RYAN Z. SHEE

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## // EDUCATION

University of California: **Santa Cruz**

June 2018

Bachelor of Science in Computer Science: Computer Game Design

## // WORK EXPERIENCE

**Mobile Game Development Instructor** | Mission Bit

Jun 2016 – Aug 2016, Jun 2018 – Aug 2018

Instructed a summer game development class for up to 20 students with little to no programming experience, many also having learning disabilities. Articulated core technical concepts for a young audience.

- Successfully taught students how to use the libGDX framework, write object-oriented Java with Android Studio IDE, and practice version control with Git.
- Established simple game design principles such as core loops, game mechanics, and team collaboration with students. Students, in small teams, successfully created their first Android games.

**Tools:** Java, Android Studio, libGDX, Trello, Git, Agile/Scrum

## // ENGINEERING PROJECTS

**Project Owner, Back-end Developer** | Food Now!

Jan 2017 – present

A web application that aims to solve the problem of indecisive friends choosing a place to eat by being the final say in picking restaurants.

- Led and delegated tasks to 5 other developers.
- Sent user parameters from front-end to Yelp, sorted list of restaurants returned by Yelp, and passed a random restaurant back to front-end to display to the user.

**Tools:** Javascript, HTML, CSS, ReactJS, Node.js, Express.js, Yelp Fusion API, Git, Scrum

**Solo project** | Pick Up Boo

Aug 2017 – Nov 2017

Developed a personal transportation request app for Android. Pick/input a contact, add an optional flavor message, and send a pick up request text to that contact.

- Utilized Google URL shortener on the Google Maps location pin link to shorten text messages.

**Tools:** Java, Android Studio

## // HACKATHON PROJECTS

**Developer** | Gotcho Book | *HACK UCSC 2017: Creative Entrepreneurship category, 2nd place*

Jan 2017

Prototyped an Android app to streamline book donations to children. Users can view a student's profile to see what books are on their wishlist and what genres they enjoy reading. Users can then either donate a book they have, or purchase a book from Amazon for them. Books are sent to the student's school.

- Designed and implemented main and student profile activities to provide meaningful info at a glance.
- Handled transitions between activities.

**Tools:** Java, Android Studio

**Developer** | Gotcho Back | *HACK UCSC 2016: Tech Cares category, 1st place*

Jan 2016

Prototyped an Android safety app to help people walk home safely by setting a timer and notifying their contact if they don't respond to the timer when it reaches zero.

- Designed shake feature so the user can signal they are in danger without needing to use their screen.

**Tools:** Java, Android Studio

## // RELEVANT COURSEWORK

Data Structures · Algorithms and Abstract Data Types · Advanced Programming · Mobile Applications · Web Applications · Linear Algebra · Applied Discrete Mathematics · Foundations of Video Game Design · Game AI · Game Platforms · Visual Communication and Interactive Design