

Sharon Che

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Education

California Polytechnic State University, San Luis Obispo, CA

Bachelor of Science in Computer Science

Expected Graduation: December 2017

Courses

- Mobile Application Development
- Introduction to Operating Systems
- Introduction to Database Systems
- Interactive Entertainment Engineering
- Introduction to Computer Graphics
- Systems Programming
- Design and Analysis of Algorithms
- Computer Architecture

Projects 2016

Mangr, Android Studio - Java

- Worked with a partner to create a Tinder-style manga recommendation application that allows users to quickly find new mangas based on genres and save them to a like or dislike list for later viewing

Free Code Camp, HTML5, CSS3, JavaScript

- Front-end development projects completed includes a tribute page, random quote machine, local weather app, and Wikipedia viewer

Tiny File System, C

- Worked with two team members to implement a custom made file system mounted on a single UNIX file that emulates a block device
- Program includes a disk emulator that performs basic block operations, and have file operation capabilities for the emulated file
- Implemented interface functions to allow timestamp modifications, read-write permission capabilities, and file system consistency checks

Kirby's Not-So-Sweet Sweet Adventure, Visual Studio - C/C++, OpenGL, GLSL

- An action game where the player collects ice cream while avoiding enemies, emphasizing physical challenges such as hand-eye coordination and reaction time
- Features include hierarchical modeling, collision detection, texture mapping, camera control, and basic artificial intelligence

A Pirate's Life For Me, Unity3D - C#

- An action game where the player controls a ship to explore an open world at sea, and can collect money, upgrade their ship features, and battle enemy ships
- Responsibilities included implementing the start screen, camera view manager, ammo system, and cannon attack system

Skills

- **Proficient:** C, Java
- English, Cantonese, Mandarin
- **Learning:** HTML5, CSS3, JavaScript

Award

Cal Poly Scholars Scholarship

2013-PRESENT