Sharon Che

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Education

California Polytechnic State University, San Luis Obispo, CA
Bachelor of Science in Computer Science
December 2017

Skills

PROGRAMMING

Proficient
- Java, C

Familiar
- HTML5, CSS3, JavaScript, C#, Android, MySQL, Unity

LANGUAGES
- Cantonese
- Mandarin

Courses

- Mobile Application Development
- Operating Systems
- Database Systems
- Game Design
- Real-Time 3D Computer Graphics Software
- Interactive Entertainment Engineering
- Programming Languages I
- Design and Analysis of Algorithms
- Systems Programming
- Computer Architecture

Awards

- Cal Poly Scholars   2013 - 2017

Projects

Wu Xing   APR 2017 - DEC 2017
C#, Unity2D, ArtRage Lite
- A point-and-click adventure puzzle game to restore balance in the universe based on the Law of 5 Elements
- Created level designs and art assets, and implemented game logic

Shepherd   JAN 2017 - MAR 2017
C/C++, OpenGL, GLSL, Visual Studio, Git
- Worked with a team to create a 3D graphics game where the player herds sheep safely to the final destination
- Implemented boids algorithm, a skybox, and an instanced particle system with billboarding, and created a web page

Mangr   SEPT 2016 - DEC 2016
Java, Android Studio, Git, XML, Retrofit, SQLite
- Collaborated with a partner to create a Tinder-style manga recommendation application that allows users to find new manga and save them to a like or dislike list
- Integrated the Manga Scraper API
- Designed visual mockups and application flow through wireframes, and implemented final interface designs

FreeCodeCamp   JULY 2016 - JULY 2017
HTML5, CSS3, JavaScript, JSON APIs, Ajax
- Implemented basic and intermediate front-end development projects by fulfilling given user stories
- Built a tribute page, League of Legends random quote machine, local weather app, Wikipedia viewer, and Twitch.tv streams viewer

Tiny File System   MAR 2016 - JUNE 2016
C, Unix
- Worked with 2 partners to implement a custom file system mounted on a UNIX file with basic file operation capabilities
- Also implemented timestamp modifications, read-write permissions, and file system consistency checks