

Contact Information

(626) 315-1182
kcheu022@ucr.edu

Portfolio

davidcheung.website

Languages

- Java
- C++
- Bash
- Python
- JavaScript
- HTML / CSS
- C#
- X86 Assembly

Tools & Frameworks

- Firebase
- React
- Git
- Unity
- Linux
- VirtualBox
- Latex

David Cheung

Education

University of California, Riverside 2016 - 2020

B.S. in Computer Science

Relevant Coursework - Discrete Structures, Data Structures & Algorithm, Artificial Intelligence, Machine Learning, Virtual Reality, Automata & Formal Languages, Compiler Design, Operating Systems, Design & Architecture of Computer Systems, Database Management, Software Engineering, Unix System Administration, Logic Design, Embedded Systems, Engineering Physics, Calculus I-III

Projects

Zombie Land - Top-Down Shooter Game (in Unity)

Fun Summer gig put together with 3 other friends.

- Control player with WASD keys. Player will auto aim with the mouse pointer direction.
- Implemented enemy AI movement that approach player when within range and disengage when out of range.
- Inventory System allow player to store items collected by defeating enemy.
- Destroy trees to collect woods to build barricade. Destroy enemy to collect coins and buy back health from vending machine.

Pathfinding Visualizer

- Find the shortest path between two points.
- Built JavaScript application for visualizing pathfinding by Dijkstra's algorithm.

Facebook Clone (UI) [{Website}](#)

- Built a realtime chat app with Firebase User Authentication.
- Cloned Facebook User Interface as visual
- Technology: JavaScript, HTML, CSS, React, Firebase (user authentication, database, hosting), Embed facebook plugin, React's Context API

Employment

Restaurant Manager 2014 - 2016

New Fusion Restaurant, Arcadia, CA

- Host weekly meeting with employers and workers to reflect daily operation.
- Ensure overall restaurant running smoothly and customer satisfaction.
- Staffing employees working schedule.