
CARTER DUONG

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Looking for software engineering internship. Interested in full stack web development and audio processing software.

Skills

C++, Java, HTML, CSS, Javascript, Linux, Git

Projects & Relevant Coursework

Browser Based MIDI Music Theory Website (Javascript, Bootstrap)

- Utilized Web MIDI API to implement drills essential for music improvisation. Web MIDI API allows user to practice harmony drills with an electronic keyboard. Drills include multiple scale and chords types.

Elevator Simulator (C++, OOP)

- Simulated real life elevator algorithm, prioritizing riders who had been on the elevator the longest and picking up any riders on the way to the destination. Implemented building, floor and rider classes using OOP techniques from scratch.

Verilog Carry Select Adder/Subtractor (Verilog)

- Implemented an 8-bit adder built from two 4-Bit Look Ahead Adders with a carry bit selected by 2:1 Mux

UCSD Macronutrient Calculator (PHP, Work in Progress)

- Current project scrapes nutrition data from UCSD dining hall websites and will allow users to view meals that fit within their macronutrient goals.

Education

UCSD - Computer Science, 2015 - 2017 (Junior Transfer), GPA 3.685

Diablo Valley College - Computer Science, 2012 - 2015, GPA 3.645

Certificates of Achievement - Diablo Valley College

- Advanced C++ Programming
- Computer Architecture
- Program Design

Activities/Interests

Advanced C++ Tutor

3+ hours every week. Covered topics including string processing, pointers, links lists, queues, stacks, and dynamic memory allocation.
