

Alvin Nguyen

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Education

University of Washington Tacoma

BACHELORS OF SCIENCE IN COMPUTER SCIENCE AND SYSTEMS

GPA: 3.22

Tacoma, WA

Graduation date of June 2018

Work Experience

Coding With Kids

INSTRUCTOR

- Teach students how to use Python and Scratch to code and make games
- Incorporate computer science fundamentals in lessons

Redmond, WA

October 2017 – Present

University of Washington Tacoma - Institute of Technology

UNDERGRADUATE TEACHING ASSISTANT

- Lead and assist students in a 2 hour labs every Friday in TCSS 142 Introduction to Programming
- Mentor students during office hours and grade assignments

Tacoma, WA

January 2018 – Present

University of Washington Tacoma - Institute of Technology

GRADER

- Grade assignments in Assembly and C for TCSS 371 Machine Organization

Tacoma, WA

January 2018 – Present

Skills and Technologies

Programming Languages: Java(3+ years), C, Python, Javascript, PHP

Operating Systems: Unix/Linux, Windows, OS X, Android

Version Control: Git, SVN

Database: MySQL, MariaDB

Realtime web apps: NodeJS, Socket.IO, Dgram

Projects

Dodgeball Fighter Game

DESIGNED CLIENT SERVER INTERACTION AND IMPLEMENTED CORE FEATURES OF GAME PLAY MECHANICS IN JAVASCRIPT AND NODEJS.

JavaScript, NodeJS, Git, Socket.IO,
Dgram, HTML, CSS

<https://github.com/csHourglass/BallsOfFury>

SliderPuzzle

LEAD A TEAM OF 4 IN CREATING A SLIDER PUZZLE GAME AT A HACKATHON. DESIGNED CLASS HIERARCHY AND INTERACTION ACCORDING TO MVC DESIGN PATTERNS AND WORKED ON THE MODEL AND CONTROLLER ASPECTS.

Java, Swing, Git

<https://github.com/alveeno/sliderpuzzle>

LC-3 Simulator

CREATED A SIMULATION OF LC-3, A COMPUTER PROGRAMMABLE IN ASSEMBLY LANGUAGE

C, Assembly, LC3

<https://github.com/alveeno/LC3Sim>

eMarketplace System

SIMULATION OF AN eMARKETPLACE SYSTEM WITH SELLER AND BUYER GRAPHICAL USER INTERFACES (GUI). TRANSACTIONS AND RECORDS ARE STORED ON A DATABASE AND USING PHP AND MYSQL, INFORMATION CAN BE CREATED, READ, UPDATED, AND DELETED (CRUD) FROM THE DATABASE.

MySQL, MariaDB, PHP

<https://github.com/alveeno/emarket>

Activities and Awards

DEAN'S LIST (MULTIPLE QUARTERS), HuSCII PROGRAMMING CLUB, ACM-ICPC INTERNATIONAL COLLEGIATE PROGRAMMING COMPETITION