Hudson Dean

hudsondjob@gmail.com 480-406-7560

Education:

6/18 - Present **Oregon State University**

School of Electrical Engineering and Computer Science

Bachelor of Science, Professional Computer Science (Post-bachelor program)

GPA 3.9

Expected Graduation (December 2019)

8/13 – 5/17 Arizona State University

School of Life Sciences

Bachelor of Science, Biological Sciences

GPA 3.6

Projects:

Hackathon Hangman

A C++ Hangman game that was submitted to Beaver Hacks Winter 2018 Hackathon. Game is
allows for a dynamic number of words to be added to play hangman. User can add words to a given
text file and the one word will be randomly selected by the program to play hangman.

Zombie Mansion Survival

A C++ text based game that allows the player to move through a series of rooms in a abandoned
mansion that has a zombie. The player needs to find and interact with items in the room to win the
game. Constrictions include: player has finite amount of turns, limited inventory space, and must
have specific items to complete the game.

Fantasy Battle Arena

A C++ game that allows the user to pick two fantasy characters and battle them. Most characters
have special abilities that affect gameplay of each round of battle. Uses a linked-list structure that
allows for a tournament style battle.

Zoo Tycoon

 Program created a simple game similar to the popular Zoo Tycoon that allows the user to run a small zoo business and manage expenses, return profits, and buy new animals for the zoo

Website Design

 Built simple website for personal use using HTML/CSS/JavaScript. Developed simple database using MySQL to handle back-end applications.

Programming Skills:

Proficient in C++, Experienced in MASM Assembly, Basic HTML/CSS/JavaScript and Python

Work Experience:

11/17-11/18 **APS Biogroup**

QC Microbiologist

- Preformed microbial testing on raw materials, colostrum blends, and finished goods
- $\bullet \qquad \hbox{Prepared selective media in sterile environment}$
- Maintained and cultured microbial suspensions used for positive controls

6/17-11/17 Heliae

Algae Production Technician

- Cultured axenic algae strains through different growth phases
- Maintained clean and healthy work station with sterile equipment
- Lead team meetings and organized day to day tasks

Research Experience:

7/15 – 8/16 **University of Arizona College of Medicine, Department of Basic Medical Sciences**Research Assistant/ Intern

Gained hands-on laboratory experience while supervised and mentored by an expert in the

- Gained hands-on laboratory experience while supervised and mentored by an expert in the molecular biology field
- Developed and conducted molecular biology experiments that pertain to overall research goal
- Studied molecular biology lab techniques and theory

Honors and Awards:

2013 ASU President's Scholarship 2014-2017 ASU Dean's List

2014-2017 ASU Dean's I 2016 SUN Award

Links:

https://repl.it/@hudxy https://github.com/hudxy