
Aliyah F. Clayton

afclayto@uci.edu · aliyah-qt.github.io · (949) 562-3379

EDUCATION

University of California, Irvine

Sept 2018 - Exp June 2020

Candidate for Bachelor of Science, Computer Science

Relevant Coursework: Boolean Algebra and Logic, Intro to Software Engineering

Cypress College

Aug 2015 – May 2018

Relevant Coursework: Linear Algebra/Differential Equations, Data Structures (C++)

RESEARCH EXPERIENCE

The Design Lab, UC San Diego

July – Aug 2017

Conducted human-computer interaction research based upon human-centered design.

Developed tutorial videos to showcase Gut Instinct, a web application, as the ideal collaborative learning platform for everyday citizens to learn about the gut microbiome.

Gave a lab talk towards the conclusion of the internship.

PROJECTS

Cube Dash (C# in Unity)

Oct 2018 - Present

- ❖ A 3D game built in Unity. Player controls a moving cube on a platform with left and right arrows to avoid crashing into the stationary objects resting on the platform. Code will be available on GitHub soon.

Minesweeper (Visual C++/.NET Framework)

Apr 2018

- ❖ A 100 cell simple minesweeper game. Player needs to uncover all the squares that do not contain mines without being destroyed by clicking on a trapped mine. I programmed the interface, a random number generator, a collision detection color code system, the mine color reset system, and implemented 3 images.

Unscramble It! (C++)

Apr - May 2017

- ❖ Collaborated in a 4 person team for 1 ½ months to code a program that takes an inputted scrambled string (from a set dictionary of 73 strings) and outputs the unscrambled string using a hash table.

TECHNICAL SKILLS

Programming languages: C++, Java and Python (in order of most comfortable)

LEADERSHIP EXPERIENCE

STEM Club (STEM Program extension)

Aug 2017 - May 2018

STEM Ambassador for Sciences

- ❖ Organized 5 social events for STEM undergraduates, 6 hrs/week
 - Art in STEM: a social event for STEM scholars to showcase their non-STEM related talents
 - AfroSTEM: a social networking mixer giving Black STEM scholars networking opportunities with Black STEM professionals
- ❖ Assisted in reducing students' anxiety and stress from difficult courses
- ❖ Assisted in expanding students' network with other STEM undergraduates since the STEM Program expanded from 200 students to over 400 students within a 1 year span