

MANGESH DARKE

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EDUCATION

University of California, Berkeley

Bachelor's of Arts in Computer Science

August 2018 - December 2020 (expected)

GPA: 3.50 / 4.00

Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures, Foundations of Data Science, Designing Information Devices and Systems I, Discrete Mathematics & Probability Theory (currently)

Chabot College

Courses taken in Computer Science

August 2016 - May 2018

GPA: 4.00 / 4.00

PROJECTS

Ants (Python)

- Implemented the object-oriented logic for a web-based game modeled after Plants VS Zombies

Dictionary (C++)

- Developed a dictionary for a predetermined set of words by storing their anagrams in a hash table

Bear Maps (Java)

- Built the web server of a map routing application centered around Berkeley, CA using an APIRouteHandler for rastering map images
- Implemented the A* search algorithm to find directions between two locations on the application
- Implemented query autocomplete responses using Princeton's TST API

CalNow (Swift)

- Built a multi-screen calendar application in Swift for UC Berkeley students to manage academic, entertainment, and sports events on campus

Hangman (Swift)

- Developed a single screen application using Swift to play the game Hangman
- Implementing Merriam-Webster Dictionary API to increase difficulty and randomness of words used

Personal Website (HTML, CSS, Javascript)

- Built a multi-page website to have a more intuitive way to demonstrate my projects, experiences, and passions
- Developed Javascript scripts to automate tasks involving dynamic content

EXPERIENCE

Chabot College Office of Institutional Research

Student Research Assistant

Hayward, CA

March 2017 - June 2018

GiveTeens20

Web Development Intern

Fremont, CA

August 2015 - August 2016

- Created campus-wide surveys for data collection using Teleform Designer
- Compiled and analyzed the data in IBM SPSS Statistics
- Provided succinct and detailed analyses to assist programs in their research projects
- Created wireframes to determine the most attractive designs to our target demographics
- Built a few different webpages using HTML and CSS to gauge interest from the organization
- Adjusted our design as we received feedback and continued to build additional webpages

SKILLS AND INTERESTS

Skills: Git, C++, Python, Java, Swift, HTML, CSS, Javascript, SQL, MIPS

Interests: Traveling, Sports, Philosophical Conversations, Books by Malcolm Gladwell