Micah Harrison

Programmer in progress...

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My current goal is to secure an enriching internship so that I may practice and learn in the Computer Science industry. I will utilize my technical and interpersonal skills with accuracy and efficiency while maintaining a motivated, productive, and goal oriented environment for the entire professional team on board.

EDUCATION

Bachelors of Art in Computer Science
University of California Berkeley

08/2016 – Present   *3.33*

Courses
- CS 61A: Structure and Interpretation of Computer Programs.
- CS 61B: Data Structures (in java).
- CS 70: Discrete Mathematics and Probability Theory.

WORK EXPERIENCE

Housing Assistant
Clark Kerr Housing Facility

08/2016 – Present   *Berkeley*

Tasks
- I utilize organizational skills in the mail room by sorting mail appropriately so that everything runs smoothly.
- I handle students with any issues they may have with their living quarters at the front desk.
- In the student learning center, I help students with any issues using University computers or printers.

Cashier
Raging Waters

05/2016 – 08/2017

Tasks
- As a Cashier, I would handle large amounts of money while selling tickets to be admitted into the water park.
- In guest services, I assisted guest with any question, comments, or concerns. Whether they just needed a map of the park or they were unhappy with their visit, I would work to the best of my ability to fulfill their requests.

ORGANIZATIONS

Bright Prospects (2014 – Present)

Bright Prospect is a non-profit organization that helps students in low income communities to understand and complete the college application process . Where I was once a regular member, I am now an advocate and outreach student for the program. I share my experience at local high schools in hopes that some students may be inspired to pursue a higher education and join the program as I did.

SKILLS

Git   IntelliJ   Web Developement   Algorithms

Data Structures   Databases

ACADEMIC/PERSONAL PROJECTS

Personal website (06/2017 – Present)
- I built my personal website from scratch using HTML, CSS, and some bits of java script and jquery. I constantly update it and I learn more about web development each time. The website is currently on its third iteration. Previous iterations can be found on my GitHub.

Gitlet (11/2017)
- Constructed and Implemented a version-control system in java that mimics some of the basic features of the popular version-control system Git. These features included initialization of repository, pushing and pulling from local and remote repositories, and merging branches with or without conflicts.
- Used sha1 encryption to set file names/versions as contents of the file and represented commits as special objects with hashmaps of the current files in the commit.

MUD (10/2017)
- Developed a machine learning web application that would recommend a Spotify playlist of songs based off of user inputted text describing how they felt or how they wanted to feel. This project was made during the 2017 Calhacks 4.0 at Berkeley.

Database System (09/2017)
- This project involved writing a miniature relational database management system (DBMS) that stores tables of data, where a table consists of some number of labeled columns of information.
- My system includes a very simple query language interpreter for a language much like SQL for extracting information from these tables.

LANGUAGES

Language	Level
Java	●●●●●
Python	●●●●○
SQL	●●●○○
HTML	●●●○○
CSS	●●●○○
C	●●○○○