Nada Al-Alusi

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Education

University of California, Berkeley – **Berkeley, CA** | Spring 2018 GPA: 3.54

Bachelor of Science, Electrical Engineering and Computer Science
Intended Minor in Arabic

Relevant Completed Coursework | CS61A SICP • **CS61B** Data Structures • **EE20** Structure & Interpretation of Signals & Systems • **EE40** Microelectronic Circuits

Relevant Fall 2016/Spring 2017 Coursework | CS61C Computer Architecture • **CS70** Discrete Math and Probability • **Intro to iOS Development** • **CS 170** Efficient Algorithms and Intractable Problems • **CS 188** Introduction to Artificial Intelligence

Technical Skills

Proficient | Java, Python, MATLAB

Familiar | C, Swift, HTML5, CSS, JavaScript, SQL, Scheme

Experience

University of California, Berkeley – Berkeley, CA

CS61A Lab Assistant January 2016 – May 2016

- Assisted in teaching a CS lab section for an introductory programming class that focuses on abstraction
- Helped students with homework assignments and projects in office hours

PowerSave Campus – Berkeley, CA

Intern January 2015 – December 2015

- Implemented projects at UC Berkeley to make campus more energy efficient & cut down energy costs
- Created and hosted events to educate students about their energy usage
- Retrofitted lights in the School of Information in Spring 2015 and worked with library administration to reduce sleep time on library computers in Fall 2015

Berkeley Engineers and Mentors – Berkeley, CA

Mentor August 2015 – December 2015

- Mentored students in STEM subjects, such as physics and biology, weekly
- Tailored sessions to engage students and demonstrate real world applications of STEM concepts

Projects

Personal Website | nadaalalusi.com August 2016 – Present

- Creating a personal website in HTML, CSS, and JavaScript that is hosted on GitHub Pages

To Do List App | Intro to iOS Development October 2016

- Created a to do list app that deletes completed tasks after 24 hours and keeps track of the number of tasks completed in the past 24 hours
- User can create and delete tasks and mark them as completed

Bear Maps | CS 61B (Data Structures) April 2016

- Created a map of Berkeley that supported zoom in/out & finding the path between two clicked points
- Created a quad tree to filter through thousands of images and raster the appropriate images
- Employed Dijkstra's algorithm to find the shortest path between two given points