

# Nada Al-Alusi

Berkeley, California | (858) 356-7451 | nada.alalusi@berkeley.edu | nadaalalusi.com | github.com/nada118

## Education

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**University of California, Berkeley – Berkeley, CA** | Spring 2018

*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

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**Proficient** | Java, Python, MATLAB

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

## Experience

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**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

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**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