

# Licong Wang

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Work authorization: Permanent Resident

## EDUCATION

### University of California, Berkeley

Anticipated May 2018

Bachelor of Science, Electrical Engineering and Computer Science (GPA: 3.47)

Relevant Coursework: The Structure and Interpretation of Computer Programs (CS61A), Data Structures (CS61B), Discrete Mathematics and Probability Theory (CS70), Efficient Algorithms and Intractable Problems (CS170)

### Diablo Valley College, Pleasant Hill

August 2014 – May 2016

Curriculum in Computer Science (GPA: 3.85)

Academic Honors for 2014 - 2016

Relevant Coursework: Program Design & Data Structure (COMSC210), Object Oriented Programming (COMSC200), UNIX and Linux (COMSC171)

## SKILLS

### Language:

Proficient: Python, Java, C++

Familiar: SQL, Scheme, JavaScript

### Software:

Git, LaTeX, Excel

## PROJECTS

### Database | Data Structures (CS61B), Berkeley

Spring 2017

- Implemented a user interactive database in Java which behaves similarly to the programming language SQL
- Performed tasks with SQL statements, updating and retrieving data from the database

### Maps | The Structure and Interpretation of Computer Programs (CS61A), Berkeley

Fall 2016

- Built a Python program to categorize the restaurant rating in the city of Berkeley with concepts of object Abstraction and object oriented programming
- Used concepts from machine learning to analyze data and make prediction of future rating

### Class Schedule | Program Design & Data Structure (COMSC 210), Diablo Valley College

Fall 2015

- Developed a C++ program that efficiently handle school schedule of classes of the past 10 year.
- Solved problems such as identifying duplicated and invalid entries, designed dynamic data structure to manage large data sets

### Spaceship Shooter | Personal Project

Fall 2015

- Built a C++ program to simulate the spaceship shooting game based on an online tutorial
- Allowed the player to control the spaceship with key inputs and provided the ability to load map files for different game backgrounds

## ACTIVITIES

### Dvcoders Club

August – December 2015

- Met weekly to study JavaScript and web design, worked together in groups to practice JavaScript problems from the internet.
- Shared programming technique and experience, helped each other with programming style

## EXPERIENCE

### Computer Science Tutor

August – December 2015

Computer Science Department, Diablo Valley College

- Organized and developed lecture materials for the lab section in collaboration with professor
- Instructed students on how to improve computer programs efficiency, worked in labs to provide one on one assistance to students
- Graded lab assignments and kept records of grades