

## **Kristy Emelyn Lee**

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(408) 784-1561

### **SUMMARY**

Aspiring software engineer studying at the University of California, Berkeley. Enthusiastic about computer programming and software development. Eager to further develop programming skills through new projects.

### **EDUCATION**

**University of California, Berkeley**

**(08/18 – Present)**

Freshman

Intending to studying Computer Science and Applied Mathematics at UC Berkeley.

### **SKILLS/ACADEMIC ACHIEVEMENT**

#### **Courses**

CS 61A: The Structure and Interpretation of Computer Programs

CS 61B: Data Structures

Math 54: Linear Algebra and Differential Equations

Math 53: Multivariable Calculus

CS 198-087: Introduction to Mathematical Thinking

AP Computer Science A, AP Physics C: Electricity & Magnetism, AP Physics C: Mechanics, AP Calculus BC, AP Statistics, Multivariable Calculus

#### **Programming Languages**

Java, Python, Scheme. Exposure to HTML, JavaScript, SQL.

#### **Certifications**

University of Michigan Coursera Certificates: Using Databases with Python (July 2018); Using Python to Access Web Data (July 2018); Python Data Structures (July 2018); Getting Started with Python (June 2018)

Stanford University Coursera Certificates: Divide and Conquer, Sorting and Searching, and Randomized Algorithms (In Progress)

### **EXPERIENCE/ EXTRA CURRICULAR ACTIVITY**

#### **CS 61A Academic Intern**

**(01/19 - Present)**

Lab assistant for CS 61A. Volunteered in lab and hosted office hours to guide students' understanding of programming concepts taught in CS 61A.

#### **Scrabble Game (Beta)**

**(05/18)**

20 Hrs/Week, 1 Week

Worked with one other person to create a graphical Java program of the game Scrabble using the Java programming language. Responsible for coding the logic of the board game and some rules associated with gameplay. Beta game is functional and available on Github.

#### **Saint Francis High School's Math Team, Board Member**

**(08/14 – 05/18)**

Grades 9, 10, 11, 12

As part of Saint Francis's Math Team, prepare for American Mathematics Competitions 12 (AMC 12) and California Math League (CAML) math competitions. Practice solving math contest problems with team and explore math concepts not covered in depth in the traditional classroom.

#### **Intern at SE3D**

**(05/17 – 08/17)**

Santa Clara, CA

25 Hrs/Week, 8 Weeks

Gained experience in CAD (computer-aided design). Modified G-code for 3D bioprinter to bioprint precise bacteria (E. coli) assays, enzymes, and tissue models.

**BaseHacks 2016****(06/16)**

Sunnyvale, CA

20 Hrs/Week, 1 Week

Worked with teammate to code a messaging bot that computes and fetches statistics upon request.

**AWARDS/HONORS/  
CERTIFICATES****The Leadership Award****(08/18)**

Cal Alumni Association

Scholarship given to undergraduates for innovative, impactful, and initiative-driven leadership in their school and communities.

**REFERENCE**

Available upon request.