

Vincent Escueta

106 North Rock River Dr. Diamond Bar, CA 91765

(909) 896-9844 • vincent.escueta22@gmail.com • vincent-escueta22.github.io/Website

EDUCATION

University of California, Berkeley

College of Engineering

Electrical Engineering and Computer Science B.S.

Diamond Ranch High School

Berkeley, CA

2014 – 2018 (Expected)

Pomona, CA

2010 – 2014

ACHIEVEMENTS

Salutatorian

2014

Disney Scholar Program Scholar

2014 – Present

TECHNICAL SKILLS

- **Programming Languages:** C++, C, Java, Python, Scheme, MIPS, SQL
 - **Common Linux Utilities:** Git, ssh, vim, etc.
 - **Animation Software:** Autodesk Maya
 - **Graphic Design Software:** Adobe Photoshop
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PROJECTS

A Scheme Interpreter

Fall 2014

- Developed a Scheme Interpreter using Python to demonstrate our understanding of both Object-Oriented Programming and Functional Programming while utilizing the basics of programming such as recursion, lists, lambda functions, and inheritance.

Gitlet

Spring 2015

- Created a simple, but efficient version of Git using Java, without any given skeleton code, to understand the use of Data Structures by using Hash Maps, Hash Sets, and Linked Lists.

A Tail Tale

Spring 2015

- In a group of five, a minute long 3D Animated Short was created using Maya by developing all the character models, creating the environments, and applying lighting and shading.

Beargit

Fall 2015

- Created a simpler version of Git where every commit includes the message “THIS IS BEAR TERRITORY!” using C to learn how pointers, arrays, and strings work in C and gain an understanding of memory management in C.

Performance Optimization

Fall 2015

- Given a folder of C files that experiments with “shape from stereo” which computes the depth information from stereo images, the goal was to optimize a depth map generator file by parallelizing using OpenMP, loop unrolling, and SIMD using Intel SSE Intrinsics.
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WORK EXPERIENCE

CS61A: Structure and Interpretation of Computer Programs

Berkeley, CA

Lab Assistant

Spring 2015

- Helped and guided students through the weekly labs, homework assignments, and projects.

B & E Bowling Supply

Diamond Bar, CA

Store Clerk

2010 – 2014

- Assisted customers with bowling inquiries for equipment, accessories, etc.
 - Assisted in back office work such as filing, inventory, bowling ball maintenance, etc.
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LEADERSHIP/SERVICE

Vice President *Best Buddies*

2012 – 2014

Member *Solar Boat*

2012 – 2014

President *National Honor Society*

2013 – 2014

Player *Berkeley Starcraft II Team*

2014 – Present

Volunteer *Loaves and Fishes*

2015 – Present