# Vincent Escueta

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## EDUCATION

**University of California, Berkeley**                                                        **Berkeley, CA**
*College of Engineering*                                                                 *2014 – 2018 (Expected)*
*Electrical Engineering and Computer Science B.S.*
**Diamond Ranch High School**                                                            **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

## PROJECTS

**A Scheme Interpreter**                                                                       *Fall 2014*
- Developed a Scheme Interpreter using Python to reiterate 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 and utilize 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.

## 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 3 hours a week.

**B & E Bowling Supply**                                                                       **Diamond Bar, CA**
*Store Clerk*                                                                                 *2010 – 2014*
- Assisted customers with bowling inquires for equipment, accessories, etc.
- Assisted in back office work such as filing, inventory, bowling ball maintenance, etc.

## 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*