

# Vincent Escueta

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## 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*

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## ACHIEVEMENTS

**Salutatorian**

*2014*

**Disney Scholar Program Scholar**

*2014 – Present*

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## 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*