**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
* **Internet Programming:** HTML, CSS

**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 experimentswith “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.

**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*