

VINCENT ESCUETA

SOFTWARE/GRAPHICS ENGINEER

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EDUCATION

University of California, Berkeley | BERKELEY, CA

2014 – 2018 (Expected)

Electrical Engineering and Computer Science B.S. | COLLEGE OF ENGINEERING

GPA: 3.114

Diamond Ranch High School | POMONA, CA

2010 – 2014

PROFESSIONAL SKILLS

- Outstanding communication and excellent ability to collaborate in diverse teams to achieve one common goal. Naturally able to lead and develop strong partnerships to produce a group that can easily collaborate and cooperate.
 - Driven to produce high quality results through passion to solve hard problems, desire to learn and grow, and dedication to succeed. Efficiently works in demanding settings and consistently delivers and fulfills requirements.
 - Technical Skills: C++, Python, C, Java, Scheme, MIPS, SQL, GLSL, Common Linux utilities (Git, ssh, vim, etc.), Autodesk Maya, Blender, Pixar's RenderMan, Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator
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PROJECTS

Classification

Fall 2016

- Using Python, trained neural network classifiers for handwritten digits by implementing and using the perceptron algorithm and stochastic gradient descent.

PathTracer/Lens Simulator

Spring 2016

- Created a renderer that uses global (direct and indirect) illumination and simulates a realistic camera lens and autofocus in C++ using bounding volume hierarchy algorithms and implementations for mirror and glass objects.

The Generous Ghost

Spring 2016

- A group of five created a minute long 3D Animated Short using Maya by developing character and environment models, applying lighting and shading, using Maya's cloth simulation, and rendering on Pixar's RenderMan.

MIPS Assembler and Linker

Fall 2015

- Wrote a MIPS Assembler in C that takes in MIPS instructions and turns those instructions into machine code. Afterward, the MIPS Linker takes object code files and outputs executable files.

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.

Scheme Interpreter

Fall 2014

- Developed a Scheme Interpreter using Python to demonstrate an understanding of both Object-Oriented Programming and Functional Programming.
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WORK EXPERIENCE

Front Desk Receptionist | NEWMAN HALL-HOLY SPIRIT PARISH, Berkeley, CA

2016 – Present

- Aided priests, parishioners, and students with any questions regarding the church and activities within the church.

Lab Assistant | CS61A: STRUCTURE AND INTERPRETATION OF COMPUTER PROGRAMS, Berkeley, CA

Spring 2015

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

Store Clerk | B & E BOWLING SUPPLY, Diamond Bar, CA

2010 – 2014

- Assisted customers with any inquiries and assisted in back office work such as filing and bowling ball maintenance.
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ACHIEVEMENTS

Disney Scholar Program Scholar

2014 – Present

Collegiate Starleague Starcraft II Champion

2016

Salutatorian

2014

LEADERSHIP/SERVICE

Committee Leader | NEWMAN HALL STUDENT MINISTRY TEAM

2016 – Present

Student Leader | FELLOWSHIP OF CATHOLIC UNIVERSITY STUDENTS

2016 – Present

Player | BERKELEY STARCRAFT II TEAM

2014 – Present

President | NATIONAL HONOR SOCIETY

2013 – 2014

Engineer | SOLAR BOAT

2012 – 2014

Vice President | BEST BUDDIES

2012 – 2014