**Hailemariam Teshome
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**Education**

2015-Present University of California, Los Angeles, B.S. (expected, June 2019)

 Major: B.S. Undeclared- Physical Sciences College Honors Program

**Relevent Coursework**

Life Sciences: Evolution, Ecology, and Biodiversity

 Biomedical Research: Concepts and Strategies

Chemistry: Atomic and Molecular Structure, Equilibria, Acids and Bases

 Thermodynamics, Electrochemistry, Kinetics, and Organic Chemistry

Math: Differential and Integral Calculus

 Integral and Infinite Series

 Linear Algebra

Computer Sci: Intro to C++ Programming I

 Intro to C++ Programming II

**Technical Skills**

Languages: Python, C++, HTML, CSS

Software: CAD (Fusion360 + Inventor Professional), MatLab, LUIS
Misc: OpenCV, Swift

**Research Experience**

**Bio and Nano Photonics Lab**, **Dr. Ozcan, UCLA** 9/2016-Present Howard Hughes Medical Institute Undergraduate Researcher

* Optimized performance of an imaging device by creating multithreading software that increasing the fps of a Raspberry Pi camera being used.
* Experience with embedded programming, CAD design, and 3D printing.

**Biomedical Sciences Enrichment Program (BISEP)**

Undergraduate Researcher7/2016 – 9/2016

* Researched novel gene mutations in E-Coli strain and presented a bioinformatics presentation to an audience of faculty members.
* Experience with basic lab techniques including pipetting, agarose and polyacrylamide gel electrophoresis, serial dilutions, genomic isolation, and simple cloning (restriction digests, ligation).

**Chemical Sciences Lab, Dr, Lavallo, University of California Riverside**  6/2014- 8/2014

Research Assistant

* Contributed to the development of an electrolyte solution used to improve electrical output of current lithium ion batteries.
* Experience with lab techniques including recrystallization, distillation, titration, vacuum filtration, nuclear magnetic resonance spectroscopy, rotary evaporation, and chromatography.

**Extracurricular Activities**

**3D4E** 8/2016-Present

**General Member**

* A 3D printing club that promotes group projects, in which members design, manufacture, and test using CAD software and 3D printing. These projects range from recreational ideas like a chess pieces, to more complicated ones such as playable instruments.

**Program for Excellence in Education and Research in the Sciences** 8/2015-Present

* Intensive program, which promotes academic excellence and professional development for students, committed to careers in STEM fields. Promotes student collaboration and engagement in independent research projects.

**LA Hacks** 4/2016

Marvelous Questions

* Worked on a team of 3 individuals to create a search engine that answers Marvel Universe related questions.
* Implemented Microsoft LUIS software to recognize user input and suggest relevant results.
* Placed 2nd out of 10 teams.