



Micah Madrid

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900 24th St NW #K, Washington DC, 20037

Education

**Doctor of Philosophy
Biomedical Engineering**
George Washington University
Expected Graduation in 2025

**Bachelor of Science, Biology
(Molecular & Biochemistry)**
University of La Verne (ULV)
Completed May 2019

Skills

Programming Languages:

C++ MATLAB
R HTML & CSS

Software, Design, Photography:

Adobe Illustrator CC
Serial Cloner
R Studio
Canon EOS 80D
Final Cut Pro X
Logic Pro X

Leadership

President 2017-2018
Synthetic Biology Collegium
Brought unique interdisciplinary
graduate representatives to
University for students in STEM to
network and broaden interests.

VP of Communications, 2017-2018
Associated Students of the University
of La Verne

Student Government Liason
Gay Straight Alliance, 2017-2018
Coordinated LGBTQ+ major events
in collaboration with Campus Activi-
ties board for education and aware-
ness.

Orientation Week Leader, 2017
Office of Student Life
Provided mentoring for new STEM
students during first year transition.
Coordinated opening ceremony
cinematics.

Experience

Graduate Research Assistant

The George Washington University - Department of Biomedical Engineering
August 2019 - Current

Research Lead & Project Coordinator, University of La Verne (ULV)

International Genetically Engineered Machine (iGEM)
January 2018 - May 2019

Designed synthetic biology research project work flow for annual international
science competition, oral and poster presentation. Modeled ethical and safe
applied system for waste water filtration. Expanded the research team by 20%.
Raised annual crowdfunding platform revenue by 40%.

Research Assistant, iGEM at ULV

February 2016 - December 2017

Assisted in senior level research projects by executing work flow and new
procedures. Organized laboratory through digital inventory and online notebook.

Peer Tutor, Academic Center, ULV

January 2018 - May 2019

Conducted individual and group tutoring sessions with students. Helped tutees
develop their own best practices for becoming self-sufficient learners through
scaffold-based learning. Gathered and reported data for each tutoring session
through end-of-session reports.

Subjects included: Molecular/Genetics/Cell Biology, General/Organic/Bio
Chemistry, Calculus.

Peer Mentor, Guided Pathways to STEM Success, ULV

August 2017 - May 2019

Mentored first & second year, first-generation STEM students. Advised
academic registration, career goals, student involvement, and personal health.
Instructed students about diversity, self-identity, and living purposefully. Assisted
in creating short and long term goals through education. Increased STEM
student retention rate for University.

Advanced Laboratory Teaching Assistant, ULV

January 2017 - May 2019

Courses: Cell Biology, Microbiology, Molecular Biology, Biochemistry
Instructed research focused procedures and bio/chemical reagent & specimen
preparation. Instructed topics pertaining to protein purification and
characterization, enzyme assays, DNA manipulation, tissue culture, microscopy,
cell cycle analysis, and biochemical instrumentational methods. Increased
students understanding of course material through laboratory application,
ensured by semesterly reports and evaluations. Scored 5/5 consistently through
student reviews.