

# IAN GREEN

1 LMU Dr. MSB-2909 Los Angeles, CA 90045 ♦ +1 (702) 635-6820 ♦ iangreen2.00@gmail.com

Github: igreen1 ♦ LinkedIn: ian-green2

## EDUCATION

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<b>Bachelor of Science in Electrical Engineering with Computer Engineering Emphasis</b>	May 2022
<b>Bachelor of Science in Computer Science with Pure Math Minor</b>	May 2022
Loyola Marymount University, Los Angeles, CA. — GPA: 3.93	
Honors Program — Double Degree Candidate — Dean's List – Trustee Scholar – Tau Beta Pi	
Saint Louis University, Madrid, Spain. — GPA: 4.00	Fall 2019

## SKILLS

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<b>Programming Languages</b>	Python, Java, C++, MATLAB, C, Assembly, Swift, Javascript, HTML5
<b>Software</b>	L <sup>A</sup> T <sub>E</sub> X, Linux, Multisim, git, Github, Networking, Node.js, d3.js, React.js
<b>Hardware</b>	Oscilloscopes, function generators, microcontrollers, circuit assembly, soldering
<b>Fluent Languages</b>	English and Spanish

## RESEARCH

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<b>LMU Bioinformatics Lab</b>	Summer 2020 - Present
<i>Undergraduate Research Assistant</i>	<i>Los Angeles, CA</i>

- Onboarded into existing project *GRNSight* and used GitHub issues to debug with team
- Repaired the web-interface of *GRNSight* beta to prepare for stable release and managed dependencies
- Adjusted program input validation to work with newly implemented features

<b>LMU SURP Research Project on Antenna Design</b>	Summer 2020
<i>RAINS Undergraduate Research Fellow</i>	<i>Los Angeles, CA</i>

- Designed and prototyped a 3D printed microstrip antenna using MATLAB simulation and SolidWorks
- Built auto-tracking software in C++ and Python and custom motor setup independently
- Produced software system to integrate antenna remotely into established Cubesat Lab antenna network

## EMPLOYMENT

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<b>Cubesat Program</b>	March 2019 - Present
<i>Project Manager</i>	<i>Loyola Marymount University, Los Angeles</i>

- Led team in setting up ground station and programmed custom signal processing software
- Created an internal network for our lab in C++/Python, extensively utilized multithreading

<b>Teaching Assistant</b>	Fall 2020 - Present
<i>Math Department - Business Calculus</i>	<i>Loyola Marymount University, Los Angeles</i>

- Graded students work and helped with their homework in introductory Calculus.

<b>LMU Debate Team</b>	August 2018 - Present
<i>Program Assistant and Team Member</i>	<i>Loyola Marymount University, Los Angeles, CA</i>

- Debate issues in the modern world improving communication skills: finalist at UCLA, USC; winner at LMU

<b>Hyperloop Team (LMU)</b>	December 2019 - March 2020
<i>Electrical Engineer Team Lead</i>	<i>Loyola Marymount University, Los Angeles, CA</i>

- Prototyped various forms of magnetic levitation and developed the optimal motor setup for the competition

<b>Upwards Bound</b>	December 2019 - December 2020
<i>Tutor</i>	<i>Loyola Marymount University, Los Angeles, CA</i>

- Led underprivileged students in high school and college level math with individualized lesson plans

## EXTRACURRICULAR ACTIVITIES AND AWARDS

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Sursum Corda Service Organization, VP of Finance	Fall 2019 - Present
Engineering for Humanity, member	Fall 2018 - Present
Association for Computer Machinery, member	Fall 2018 - Present
Institute of Electrical and Electronics Engineers, member	Fall 2018 - Present