

Phillip Steiner

1 LMU Drive MSB-5821 Los Angeles, CA 900456 | (858) 722-2530 | psteine3@gmail.com

Education

Loyola Marymount University
Bachelor's in Computer Engineering Candidate

Los Angeles, CA
Expected May 2021

The Gary and Jerri-Ann Jacobs High Tech High
High School Diploma

San Diego, CA
June 2017

Skills

Software: Adobe Creative Suite, Microsoft Office, Google Apps and Gmail, Autodesk Inventor, Solidworks, Atmel Studio

Programming Languages: Javascript, Java, C, C#, Python, Batch, Matlab

Projects and Work Experience

Undergraduate Research under Dr. Asghari at LMU, Spring 2018 - Present

- Designing both hardware and software for a compact, inexpensive, and easy-to-implement laser pump controller module
- Created software and system design for an initial prototype based off a Raspberry Pi
- Currently working on the hardware design aspect of a second prototype to improve upon the difficulty of use of the first model
- Laser control system needed to reduce cost and learning curve for research in photonics laboratory

Communications Assistant with LMU's Media Relations Department, Spring 2018 - Present

- Responsible for analyzing and summarizing news relevant to the university twice a week
- Regularly edit and post event advertisements on online event services (e.g. Yelp, Patch, EyespyLA, etc....)

Halloween Costume Project, Fall 2018

- Fabricated a pair of motion sensitive wicker LED bracelets
- Utilized two three axis accelerometers to detect and translate directionalized motion onto addressable LEDs embedded in the wristlets

Proximity Response Board Project, Fall 2016 - Summer 2017

- Designed and fabricated a functional 2x4 foot LED panel that lights up individual segments in response to object proximity by measuring reflected infrared light.
- Worked with school faculty to install panel and ensure it satisfied applicable regulations