



## Technical and Personal Skills

10+ Years	5+ Years	2+ Years	Beginner
Linux	C++	SQLite	MIPS Assembly
macOS	Java	LabVIEW	Solidworks
MATLAB	git	Python	Visual Studios
POSIX Scripting	gcc	KVM virtualization	Windows
Spanish Language	Vim	L <sup>A</sup> T <sub>E</sub> X	Mandarin Chinese

## Projects

### Bay Area Rapid Transit Geolocation System

<https://github.com/ejtejada/Geotaggers>

- ◇ Prototyped an RFID tracking system for BART workers in tunnels without GPS signal as a Capstone project.

### Society of Automotive Engineers Test Bench

<https://github.com/brevsae/sae-testbench>

- ◇ Ensured adherence to safety guidelines for battery temperature and high inertial emergency shutdown switches.

### MacREU 2017 Image Processing

<https://github.com/ejtejada/MacREU2017ImageProcessing>

- ◇ Built Wolfram library for predicting position for analysis of triangular objects in florescent, moving baths.

## Experience

### Undergraduate Intern, Crypto Market Researcher

June 2019 to August 2019

Loopring, Shanghai, PRC

- ◇ Wrote and reported on the code bases and directions of competing Decentralized cryptocurrency exchanges.
- ◇ Presented on legislation, such as on Libra US senate hearings and FAFT's 2019 travel rules on cryptocurrency.
- ◇ Debugged and documented TRON to ERC-20/Ethereum exchanging smart contracts in the Solidity language.

### Undergraduate Intern, Material Science Department

June 2017 to August 2017

Materials Connection REU, University of California Riverside, Riverside, CA

- ◇ Implemented object tracking the movement of transition metal nanolayers, lowering measurement time.
- ◇ Developed portable photoluminescent analysis packages to track reactions with adjustable, high-res cameras.
- ◇ Improved reusability and documented the lab's Wolfram/LabVIEW codebase and automated offsite backups.

### Supplemental Instruction Coach, Mathematics Department

August 2015 to May 2016

Supplemental Instruction Program, El Camino College, Torrance, CA

- ◇ Lead study sessions for students in College Algebra and Statistics that reinforced learning outcomes.
- ◇ Designed robust practice exams based on the professor's notes and hosted timed mock exam sessions.
- ◇ Created teaching materials and group exercises that fostered Socratic learning and critical testing strategies.

## Education

University of California Merced, Merced, CA

May 2020

### Bachelor of Science in Computer Science and Engineering, Minor in Writing

*Selected Coursework:* Capstone Design, Intro to AI, Numerical Methods, Writing in the Natural Sciences, Databases, Operating Systems

El Camino College, Torrance, CA

December 2017

### Associates of Arts in English, Associates of Science in Physics

*Selected Coursework:* Creative Fiction, Differential Equations, Public Speaking, Data Structures, Advanced Programming in C++, Statistics

## Leadership Roles

### Electrical Systems Officer @ Formula Society of Automotive Engineers, UC Merced

June 2018 to June 2019

- ◇ Implemented and tested electrical control and safety systems for a formula race car's high voltage components.
- ◇ Maintained the codebase and assigned design and naming conventions for all contributors to the project.

### President @ Inter-Club Council, El Camino College

August 2016 to May 2017

- ◇ Enforced parliamentary voting procedure for ICC, a student government that oversaw all clubs and charters.
- ◇ Planned and followed a budget for all club funds, ensuring ICC transparently allocated its \$30,000 for all clubs.

### Treasurer @ Programming Applications Club, El Camino College

August 2015 to May 2016

- ◇ Managed funds and budgeted for registration fees and transportation to hackathons in Southern California.
- ◇ Ran training workshops for C++, algorithms, and design approaches for coding challenges.

## Honors

UC Merced Alumni Scholarship (2019); Benjamin A. Gilman International Scholarship (2019)

# Edgar Tejada

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Latest Resume

Dean's Honor List (2018 to 2020); National Science Foundation Scholarship (2016);  
Southern California Edison Scholarship (2015, 2017); El Camino Foundation Scholarship (2015)