# Michael Robert Merola

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## Skills

Javascript (Proficient)

C++/C# (Proficient)

Python (Proficient)

Scala (Familiar)

HTML/CSS (Proficient)

Angular.js

SQL

Git

Unity 5

Salesforce

AutoCAD (Beginner)

DAW Music Production

Japanese 日本語 (Conversational)

## Awards and Honors

SHPE/MAES                2016 - Current
• Society of Hispanic Engineers

BOLD Scholar            2016 - Current
• Scholarship for diverse engineers

Most Involved Student        2016
• Highest club participation in graduating class

Eagle Scout                2013
• BSA Highest Rank

## Extra-Curricular

Independent Musician

Jazz Guitarist in University Ensembles

Producer + Composer

Licensed Ham Radio Operator

Fencer

## Education

### University of Colorado Boulder          *exp. graduation* May 2020
3.4 GPA, Computer Science BS
College of Engineering, Minor in Business

### Lewis – Palmer High School              *graduated* May 2016
4.1 GPA, Summa Cum Laude Graduate
32 ACT, AP Scholar with Distinction

## Work Experience

### Scoville Co. (Tokyo, Japan)              May - July 2019
Engineering Intern
• Contributed to the Drone + AI teams with research, coding, and testing tasks
• Developed algorithm in Unity C# to simulate drone movement and LIDAR
• Gained work experience in a multi-cultural and Japanese business setting

### Zayo Group (Boulder, CO)              June 2018 – May 2019
Software Development Intern
• Developed Apex Salesforce programs to aid internal operations
• Frontend development/design with Angular, Javascript, and HTML/CSS
• Team based work with Gitlab and Agile-based framework

### CU Office of Data Analytics          September 2017 - May 2018
Virtual Reality Research + Developer
• Built a VR annotation system as a tool for university students/researchers
• Used Unity 5, HTC Vive, and C#/Javascript in a team-based environment

### Hewlett-Packard Enterprise            May - August 2017
Storage Solutions Intern
• Setup/configured HP servers and storage solutions, testing/upgrading software and firmware, Windows certification testing, C++ development
• Successfully certified HP servers for Windows operating systems

## Other

### Hack CU V                            March 2019
• Utilized React.js to build an online music sampler/sequencer
• Sample videos directly from YouTube, compatible with MIDI keyboards

### PennApps Hackathon                    September 2017
• Worked in a team to develop a web application that allows users to organize Internet content for learning and tutoring
• Independently explored topics of AI, game music, and pixel art

### Caltech Hackathon (Hacktech)          March 2017
• Developed application to analyze workplace interaction with Slack data
• Winner of the *Best Use of AWS* Award