

MICHAEL MEROLA

Programmer, Musician, and Artist from Black Forest, CO

consumer-facing products, team-oriented developer with a passion for software, music, and design

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Skills

Javascript (proficient)
C++ / C# (proficient)
Python (advanced)
Scala (familiar)
Angular.js
React.js
HTML / CSS
Unity 5 C#
Apex Salesforce
SQL
Git
DAW Music Production
Japanese 日本語 (elementary)

Awards and Honors

Eagle Scout
• Boy Scouts Highest Rank
SHPE / MAES
• Society of Hispanic Engineers
Hale Esteemed Scholars
• Scholarship for > 3.0 GPA
BOLD Scholar
• Scholarship for diverse engineers

Extra-Curricular

Jazz Guitarist in Campus Ensembles
Independent Musician
Producer / Composer
Campus A Capella

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

Work Experience

Scoville Co. (Tokyo, Japan) May - July 2019

Engineering Intern

- Contributed to the Drone + AI teams with research, coding, and testing tasks
- Developed algorithms in Unity to simulate drone + LIDAR movement
- 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 web development/design with Angular and Javascript
- Team-focused work with Gitlab and Agile frameworks

CU Office of Data Analytics (University) Sept. 2017 - May 2018

Virtual Reality Research + Developer

- Analyzed student trends/data to identify possible needs for VR solutions
- Built a VR annotation system as a prototype tool for university students
- Used Unity 5, HTC Vive, and C#/Javascript in a small team environment

Hewlett-Packard Enterprise (CO Springs) May - August 2017

Storage Solutions Intern

- Setup/configured HP servers and storage solutions, testing/upgrading software and firmware, Windows certification testing, C++ scripting
- Successfully certified multiple HP servers for Windows OS

Tech

Hack CUV

- Utilized React.js to build an online music sampler/sequencer
- Sample videos directly from YouTube, compatible with MIDI keyboards

PennApps Hackathon

- Worked in a team to develop a web-app for organizing and learning Internet content
- Independently explored topics of AI, game music, and pixel art