Jonathan Sumner Evans

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EDUCATION

Colorado School of Mines - Golden, CO - M.S. Computer Science   Aug. 2018 - May 2019
- Working on a project with Dr. Mehta to automate group selection in CSCI 406 Algorithms and improve the algorithms used in that process.
- Chair of Mines ACM, Service Chair of Tau Beta Pi, **Linux** Help Guru of Mines Linux Users Group (LUG)
- *Notable Classes:* **High Performance Computing**, Bioinformatics

Colorado School of Mines - Golden, CO - B.S. Computer Science - 3.9 GPA   July 2016 - May 2018
- Vice President of Mines ACM, Secretary of Mines Linux Users Group (LUG)
- Outstanding Graduating Senior for Computer Science
- *Notable Classes:* **Algorithms**, Computer Graphics, Computer Simulation, Artificial Intelligence

Red Rocks Community College - Lakewood, CO - 67 Credit Hours - 4.0 GPA   Aug. 2012 - May 2016

WORK EXPERIENCE

Instructor (Algorithms) - Colorado School of Mines - Golden, CO   Aug. 2018 - Present
- **Teaching** a section of CSCI 406 **Algorithms** this fall.
- *Topics include:* analysis of algorithms, evaluation of data structures, sorting algorithms, dynamic programming, graph algorithms, and NP-completeness.

Software Engineering Intern - Pivotal - Denver, CO   May 2018 - Aug. 2018
- Improved system for imaging workstations for consistent workflows on all machines used by the Tracker team.
- Contributed in a LEAN Product process to identify the needs of the Tracker team.

Teachers Assistant (Data Structures) - Colorado School of Mines - Golden, CO   Aug. 2017 - May 2018
Software Development Intern - Kenzan - Denver, CO   June 2017 - Aug. 2017
Software Developer - Can/Am Technologies, Inc. - Lakewood, CO   Feb. 2013 - Aug. 2016
- Designed and built new features for Teller, an enterprise point-of-sale system for municipal governments.
- Implemented plugins to integrate Teller with external vendors including Bank of America and Tyler Tech.
- Worked in an Agile environment on **C#** and **JavaScript** codebases.
- Helped transition Teller from a Windows Desktop application to a web-based application.

PROJECTS

Visplay - gitlab.com/ColoradoSchoolOfMines/visplay - GPLv3   February 2018 - Present
- Mines ACM project to create a digital signage system with a dynamic, hierarchical configuration system.
- Wored on design of the overall **system's architecture**.
- Contributing in a **project management** role, and acting as **technical lead** for configuration GUI.
- Instrumental in building the **Python** backend and setting up **CI/CD** for the project.

Wii-Track - github.com/ColoradoSchoolOfMines/wii-track - GPLv3   February 2018
- Distributed inventory tracking using IoT technologies. Backed by **AWS Lambda** and **DynamoDB**.
- Worked on designing the overall system's **architecture**, set up the database, and implemented a Lambda function to identify packages by weight.
- *Awards:* Judges Favorite, Best Use of AWS, and Dish Network Challenge winner at HackCU IV.

Virtual Reality Final Project - github.com/CSM-Dream-Team/final-project - GPLv3   Aug. 2018 - Dec. 2018
- Final project from an independent study in **virtual reality** under the supervision of Dr. Paone.
- We developed a new program architecture for virtual reality called *Deferred Immediate Mode*.

AWARDS AND HONORS
- First Place at Google Games in Boulder (April 2018)
- Google C-MAPP scholarship recipient (January 2018)
- Won *Grand Prize* at the Xilinx Pynq Hackathon with parking lot tracking project (October 2017)
- Placed 4th in 2018 Regional ACM International Collegiate Programming Contest (ICPC)