

Matthew Gerber

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SUMMARY:

Upcoming CIS graduate with a passion for software development. Experience with organization and coordination of technical conferences and initiatives including Celebration for Women in Computing, Sisters Rise Up, and Utah Geek Events.

Executed many projects in a leadership position by exploiting Agile fundamentals. Aided in developing curriculum for lower division Westminster College Computer Science courses; assembled and interpreted multiple sources of data to evaluate those teaching methods.

EXPERIENCE

Westminster College

Computer Science Research Assistant 2015 - Current

- Aiding in developing curriculum for Introduction to Computer Science class.
- Designed and managed Computer Science database using Microsoft Excel & Microsoft Access

Peer Mentor 2016

- Mentor and resource for Freshmen and Sophomores in the Computer Science Department
- Aided in teaching Introduction CS courses

Rocky Mountain Celebration for Women in Computing, Project Coordinator 2016

- Assisted with organization of 2016 Rocky Mountain Celebration for Women in Computing
- Organized events, speakers, attendees; coordinated with external partners

Georgia Institute of Technology / Westminster College, Project Coordinator 2016

- Coordinated the *Sisters Rise Up* initiative in Utah, funded by a Google CS4HS grant
- Developed and managed on-campus and online events aimed at preparing female high school students to take the Advanced Placement Computer Science A exam

Utah Geek Events, Volunteer 2015, 2016

- Assisted with Utah Code Camp and Big Mountain Data conferences

PROJECTS

Independent Project

E-commerce Website 2017 - 2018

Design and complete front-end and back-end development of website to enable indigenous artisans from Chiapas to sell their goods internationally.

Project Lead

Predicting Future Prices of Bitcoin 2017

Used machine learning models to determine future prices of Bitcoin

- Worked with team members to determine the best approach to the problem
- Used Python to run several models and develop data visualization

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PROJECTS continued

Project Lead

Movie Database and Review Site

2017

Developed database to store reviews and movies accompanying a website for accessibility

- Collaborated with team members to steer the direction of the application
- Quickly learned JavaScript in order to develop queries executed through a MySQL database
- Established clear line of development and duties for each team member

Math Education App

2016

Designed, prototyped, and developed an Android application and database to help reinforce math concepts to 1st and 2nd graders

- Designed and integrated Java activities, and a database using an Agile approach
- Tested, found, and resolved bugs for the final product

EDUCATION

Westminster College

Salt Lake City, Utah

Bachelor of Science, Computer Information Systems

Graduation: May 2018

GPA: 3.94 / 4.0

Course Work: Data Structures, Computer Systems, Software Engineering, Databases, Data Mining, Algorithms, Information Technology, Computer Networks, Computer Security, Operating Systems

Dean's List

Fall 2015

Spring 2016, Fall 2016

Spring 2017

SKILLS

Programming Languages: Java, Python, MySQL, JavaScript, C

Technologies: Git, Android, DjangoREST, Windows, MacOS, Linux/UNIX

Design and Film: Maya, Adobe Photoshop, InDesign, Premiere, AfterEffects

Leadership: Focused decision-maker, Hands-on experience with Projects, Conferences, Grass-roots Initiative

Other: Self-directed and creative problem solver, Ability to adapt to ambiguous situations and learn new skills quickly