Sarah M. Jochum

Computer Science and Mathematics Student

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Education

Foothill College, Los Altos Hills, CA   2018-2021
Computer Science and Mathematics Major
STEM Core Grant Student
Winter Quarter 2019 Coursework: Data Structures in Java, Computer Architecture in Assembly

DeAnza College, Cupertino, CA   2017-2019
Computer Information Systems Major
Relevant Coursework: Intro to Python, Object Oriented Python, Advanced Python, Statistics

Skills

Languages: Python, Java, LaTeX, HTML, Bash
Tools: Git, Linux, SQLite, Flask, NumPy

Projects

Weather Application
Built a native app in Python to fetch and display weather from multiple locales. Compared multi- and single-threaded approaches with Cuda-driven GPU-accelerated approach.

Enrollment Data Analysis
Analyzed and displayed a decade of enrollment trend data using NumPy and Matplotlib.

Songbook
Used Python to normalize unformatted text files from multiple sources into an indexed LaTeX-formatted song book with lyrics and chords.

River Expedition
Applied carpentry knowledge to construct raft from recycled materials, and navigated 1,700 miles from Pittsburgh to the Gulf of Mexico on route parallel to the Mississippi River.

Organizations and Clubs

Women in Computer Science, Event Officer, DeAnza College
Responsible for event planning and group communications. Organized and led multiple workshops.

Robotics Club, Makerspace Liaison, Foothill College
Coordinating trainings and workshops through communication with director.

Girl Develop It, Active member, San Francisco Chapter

Events: Grace Hopper Celebration (2018), Women in Engineering (2018), Maker Faire (2018)

Work Experience

Corner Mercantile, Assistant Supervisor, Pittsburgh, PA   2017
Small team of 10. Responsible for product placement and development, quality control, and basic menu creation.

Kate White Re/Max, Real Estate Assistant, Pittsburgh, PA   2016
Working directly with clients, ensured all documents were accurate and completed for the closing process of house sales.

Laib and Laib Fine Carpentry, Apprentice, Pittsburgh, PA   2015
Became proficient in carpentry and woodworking techniques with a focus on restoring Victorian porches.

Linvilla Orchards, Farmer, Media, PA   2006-2015
Responsible for 200 acres of fruit orchard and development of a cut flower business.