

Jake Vossen

COLORADO SCHOOL OF MINES CLASS OF 2022, B.S. COMPUTER SCIENCE

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Education

Colorado School of Mines

Golden, Colorado

B.S. COMPUTER SCIENCE

August 2018 - May 2022

MINOR IN ECONOMICS

- Major GPA: 3.940 || Overall GPA: 3.413 (Honor Roll, Spring 2019; Deans List, Fall 2019 & Spring 2020)
- Relevant courses
 - Completed: Data Structures (C++), Software Engineering (Java), Database Management, Introduction to Linux, Compiler Design, Computer Science 101 (Python)
 - Enrolled: Advanced Software Engineering, Algorithms, Programming Languages, Computer Simulations
- Study abroad: Kenya 2019 - Prepared and taught lessons on Arduinos and 3D modeling to middle school and high school aged youth and conducted entrepreneurial self-efficacy and market research
- British Petroleum (BP) C-MAPP Scholar

Technical Skills

- **Programming Languages:** Python, Java, C++, Rust, SQL
- **Development Tools**
 - Deployment Tools: Amazon Web Services Certified Solutions Architect, Docker, Linux Server Maintenance & Management
 - Other Tools: Git, Bash, Vim, GNU Make
- **Team Skills & Leadership:** Agile Scrum team member, U-CLIMB Lead Mentor for CSCI 101 (see Employment), Eagle Scout, AP Computer Science (Java) Teaching Assistant (2017 - 2018)

Experience

Nextworld LLC

Denver Tech Center

ASSOCIATE SOFTWARE ENGINEER

Summer 2018, Summer 2019

- Front end web developer (Summer 2019)
 - Used TypeScript/Angular to implement features and improvements to the Nextworld enterprise software platform
 - Used the Nativescript toolkit to improve the iOS and Android mobile apps
- Integrations specialist (Summer 2018)
 - Used Rest APIs and cloud services to implement endpoints to next generation enterprise software (C#)
 - Experienced Agile Scrum development for mission-critical solutions

Colorado School of Mines

Golden, Colorado

LINUX SYSTEM ADMINISTRATOR

Spring 2020 - Current

- Performed maintenance, upkeep, and upgrades on 6 Ubuntu servers
- Updated several websites for CS@Mines projects
- Provided and managed package mirrors for Arch Linux and Ubuntu

Colorado School of Mines

Golden, Colorado

U-CLIMB MENTOR FOR COMPUTER SCIENCE 101

Fall 2019, Spring 2020

- Lead Mentor (Spring 2020, Fall 2020)
 - Managed U-CLIMB mentors, scheduling, task distribution, and creating / presenting training material
 - Performed interviews and made hiring decisions for future mentors
- Mentor (Fall 2019)
 - Assisted with instructing lessons about algorithms, data structures, and other introductory Computer Science material
 - Provided one on one mentorship and support for Computer Science 101 students

Certifications & Awards

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|------|--|--------------------------|
| 2020 | Fourth Best Overall Hack , Hack CU VI Hackathon | University of Colorado |
| 2018 | Best Use of Twilio API , MHacks 11 Hackathon | University of Michigan |
| 2019 | Most Random Hack , Hack CU V Hackathon | University of Colorado |
| 2019 | Second Overall , Google Passport Design Challenge | Google Boulder |
| 2018 | Presenter , C-MAPP Event - CSCI 101 Poster Presentation | Colorado School of Mines |
- 2018 - 2021 **Associate**, AWS Certified Solutions Architect

Extracurricular Activities

Colorado School of Mines OreSec Cybersecurity Club

Golden, Colorado

VICE PRESIDENT & COFOUNDER

Spring 2019 - Fall 2020

- Organized club meetings and gave presentations about cybersecurity topics
- Raised awareness of personal privacy and security around campus
- Gave presentation on the reverse engineering tool Ghidra

Boy Scouts of America - Troop 628

EAGLE SCOUT

- Learned leadership skills through outdoor adventures including trips to Florida for sailing an Minnesota for backpacking

Lone Tree

September 2018

Association of Computing - Women (ACM-W)

SECRETARY

- Helped plan club meetings with goal of increasing diversity in the field of Computer Science
- Presented several talks, including talks on \LaTeX
- Improved club website to enable more accurate attendance records
- Migrated to a more reliable email delivery service

Golden, Colorado

Fall 2020