

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

- Major GPA: 3.930 || Overall GPA: 3.316 (Honor Roll, Spring 2019; Deans List, Fall 2019)
- Relevant courses
 - Completed: Data Structures (C++), Software Engineering (Java), Introduction to Linux, Introduction to Computer Science (Python)
 - Enrolled: Database Management, Compiler Design
- 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, Emacs, 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)

Employment

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

U-CLIMB MENTOR FOR COMPUTER SCIENCE 101

Fall 2019, Spring 2020

- Lead Mentor (Spring 2020)
 - Managed U-CLIMB mentors, including scheduling, task distribution, and creating / presenting training material
- 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

Valor Christian High School

Highlands Ranch, Colorado

IT INTERN

September 2015 - May 2018

- Managing 550 Apple devices, from hardware maintenance to software deployment and assisted in network configuration in a Jamf JSS environment, as well as assisting in budget approval and project management
- Migrated on premise servers to cloud based solutions

Certifications & Awards

2020 **4th Best Overall Hack**, Hack CU VI Hackathon

Colorado University

2018 **Best Use of Twilio API**, MHacks 11 Hackathon

University of Michigan

2019 **Most Random Hack**, Hack CU V Hackathon

Colorado University

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

Boy Scouts of America - Troop 628

Lone Tree

EAGLE SCOUT

September 2018

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