

# 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

- Overall GPA: 3.164 (Honor Roll, Spring 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 - working with Tumaini Innovation Center
  - Prepared and taught lessons on Arduinos and 3D modeling to middle school and high school aged youth
  - Conducted entrepreneurial self-efficacy and market research
- British Petroleum (BP) C-MAPP Scholar

## Technical Skills

- **Programming Languages:** Python, C++, Java, C#
- **Development Tools**
  - Virtualization: Amazon Web Services Certified Solutions Architect, VMware ESXi
  - Source Code Management: Git (GitHub, GitLab, Atlassian), Visual Studio(C#), Eclipse(Java)
- **Hardware:** Raspberry Pi, UniFi Networking Gear, PC Building, Mac repair, 3D printers (Prusa i3 MK2, Solidworks)
- **Team Skills & Leadership:** Agile Scrum team member, UCLimb Mentor for CSCI 101 (see Employment), Eagle Scout, AP Computer Science (Java) Teaching Assistant (2017 - 2018) - lecturing, grading

## 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

UCLIMB MENTOR FOR COMPUTER SCIENCE 101

Fall 2019

- Lead Mentor (Spring 2019)
  - Managed and organized UCLimb Program
- 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

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

- Organized club meetings and gave presentations about cybersecurity topics
- Raised awareness of personal privacy and security around campus

**Boy Scouts of America - Troop 628**

EAGLE SCOUT

*Lone Tree*  
*September 2018*

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