

# 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, MINOR IN ECONOMICS

August 2018 - May 2022

- Major GPA: 3.95
- 2019 British Petroleum (BP) C-MAPP Scholar - An award given to recognize students who are active and involved in the Computer Science department
- Relevant courses
  - Completed: Data Structures (C++), Software Engineering (Java), Database Management, Introduction to Linux, Compiler Design (Rust)
  - Enrolled: Algorithms, Programming Languages (OCaml), Computer Simulations

## Technical Skills

- **Programming Languages**
  - **Advanced:** Python, Java
  - **Intermediate:** Typescript, C++, Rust, SQL
  - **Beginner:** Haskell, Swift
- **Development Tools**
  - Deployment Tools: AWS, Docker, Linux Server Maintenance & Management
  - Other Tools: Git, GitHub, Bash,  $\LaTeX$ , GNU Make
- **Team Skills & Leadership:** Agile Scrum team member, U-CLIMB Lead Mentor for Intro to Computer Science (see Experience), Eagle Scout
- **Certifications:** Associate Amazon Web Services Solution's Architect (2018-2021)

## Experience

### Nextworld LLC

Denver Tech Center

ASSOCIATE SOFTWARE ENGINEER

Summer 2018, 2019, 2020

Three summers of full time software development with backend Java and frontend Angular. My code was deployed bi-weekly, reviewed by stakeholders, and delivered to customers.

- Summer 2020: Reporting Team: Full stack - Improved Java REST APIs and implemented the improvements as features in the client
- Summer 2019: Client Team: Added features, fixed bugs, and made significant improvements to the Nextworld platform and Nativescript mobile app
- Summer 2018: Integrations Team: Used C# with REST APIs to connect Nextworld data to external services

### Colorado School of Mines

Golden, Colorado

LINUX SYSTEM ADMINISTRATOR (SUMMER 2020 - CURRENT)

- Performed maintenance, upkeep, and upgrades on 6 Ubuntu servers
- Maintained and updated 10 CS@Mines project websites
- Provided and managed package mirrors for Arch Linux and Ubuntu

TEACHING ASSISTANT - INTRO TO LINUX (FALL 2020 - CURRENT)

- Held office hours twice a week, assisted students in Linux and shell scripting basics, graded and provided feedback on assignments

LEAD U-CLIMB MENTOR / TA FOR INTRO TO COMPUTER SCIENCE (SPRING 2020 - SUMMER 2020)

- Managed U-CLIMB mentors, scheduling, task distribution, and creating / presenting training material for TAs to teach introductory computer science material
- Performed interviews and made hiring decisions for future mentors

U-CLIMB MENTOR / TA FOR INTRO TO COMPUTER SCIENCE (FALL 2019)

## Awards

2020	<b>Fourth Best Overall Hack</b> , Hack CU VI Hackathon	University of Colorado
2018	<b>Best Use of Twilio API</b> , MHacks 11 Hackathon	University of Michigan
2019	<b>Most Random Hack</b> , Hack CU V Hackathon	University of Colorado
2019	<b>Second Overall</b> , Google Passport Design Challenge	Google Boulder
2018	<b>Presenter</b> , C-MAPP Event - CSCI 101 Poster Presentation	Colorado School of Mines
2018	<b>Eagle Scout</b> , Boy Scouts of America	Troop 628

## Extracurricular Activities

### Association of Computing - Women (ACM-W)

Golden, Colorado

SECRETARY

Fall 2020

- Helped plan club meetings with goal of increasing diversity in the field of Computer Science, and gave tech talks on various technology subjects

### 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