

# Jake Vossen

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

✉ jake@vossen.dev | 🌐 jake.vossen.dev | 📷 jakevossen5 | 🌐 jakevossen5

## Education

### Colorado School of Mines

Golden, Colorado

M.S. COMPUTER SCIENCE

January 2021 - December 2022

• Enrolled Courses: Advanced Computer Architecture

B.S. COMPUTER SCIENCE, MINOR IN ECONOMICS

August 2018 - December 2021

- Major GPA: 3.97 || Overall GPA: 3.55
- 2020 (Transamerica) & 2019 (BP) C-MAPP Scholar - An award to recognize top CS students who are active and involved within the CS department
- Completed Courses: Algorithms, Data Structures (C++), Software Engineering (Java), Database Management, Introduction to Linux, Compiler Design (Rust), Programming Languages (OCaml)
- Enrolled Courses: Advanced Compilers, Operating Systems, Elements of Computing Systems

## Skills

- **Programming Languages**
  - **Advanced:** Python, Java, Rust
  - **Intermediate:** C++, SQL, TypeScript
- **Development Tools**
  - Deployment Tools: AWS, Docker, Linux Server Maintenance & Management
  - Other Tools: Git, GitHub, Bash,  $\text{\LaTeX}$ , GNU Make
- **Team Skills & Leadership:** Agile Scrum team member, U-CLIMB Lead Mentor for Intro to Computer Science (see Experience), Eagle Scout

## 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

UNDERGRADUATE RESEARCH ASSISTANT (FALL 2020 - CURRENT)

- Studying regular expression synthesis and optimization

TEACHING ASSISTANT - INTRO TO LINUX (FALL 2020)

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 to 400 students
- 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 - Spring 2016

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