

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 - December 2021

- Major GPA: 3.95 || Overall GPA: 3.46
- 2020 (Transamerica) & 2019 (BP) C-MAPP Scholar - An award to recognize top CS students who are active and involved within the CS 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 for 220 students

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	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	Eagle Scout , 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