Jake Vossen

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

✉ jake@vossen.dev | 🏠 jake.vossen.dev | 🐙 jakevossen5 | in 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: 3.95 ‖ 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
- Completed Courses: Algorithms, Data Structures (C++), Software Engineering (Java), Database Management, Introduction to Linux, Compiler Design (Rust), Programming Languages (OCaml)
- Enrolled Courses: 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, 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

UNDERGRADUATE RESEARCH ASSISTANT (FALL 2020 - CURRENT)

- Studying regular expression sythesis 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	**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 - 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