

Jake Vossen

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

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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, \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 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 **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 2021

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