

Turner Burchard

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WORK EXPERIENCE

onXmaps

June 2024 – August 2024

Software Development Intern

Bozeman, MT

- Engineered a data pipeline processing multiple petabytes per month using Python, Go, and GCP.
- Designed and implemented a customer usage analytics dashboard with BigQuery, Python, and Airflow.
- Led infrastructure improvements, reducing build times by 35% and optimizing deployment processes.
- Transformed and integrated raw geospatial data for Web, iOS, and Android apps.

Montana State University

Aug. 2021 – May 2025

Teaching Assistant

Bozeman, MT

- Paid teaching and grading position for Machine Learning, Data Science, and Honors Chemistry.
- Led weekly class sessions, tutoring 30+ students as a group and 200+ students one-on-one.

Quiq

May 2023 – March 2024

Conversational AI Backend Engineering Intern

Bozeman, MT

- Developed Scala and Python backend for a customer support AI web app.
- Collaborated as a full software engineer in a high-achieving team, consistently exceeding project expectations.
- Built customizable AI chatbots with LLM reasoning, increasing self-serve rates and satisfaction by over 100%.

Brightvine

Jan. 2022 – May 2023

Full Stack Engineering Intern

Bozeman, MT

- Led development of blockchain-based financial web apps as the senior engineer from inception to deployment.
- Designed and implemented frontend (React) and backend (Go) components in a microservices architecture.
- Collaborated with a small team to build scalable, secure financial apps supporting blockchain technology.

D.A. Davidson

June 2017 – Aug. 2021

IT Risk Management Intern

Great Falls, MT

- Introduced Python automation to reduce a full summer project to weeks, achieving a 70% efficiency increase.
- Managed network proxy, email filters, and vendors for 3000+ employee finance company.

EDUCATION

Master's of Science, Computer Science

Aug. 2024 – May 2025

Montana State University

Bozeman, MT

- Artificial Intelligence Certificate, Teaching Assistant.

Bachelor's of Science, Computer Science

Aug. 2020 – May 2024

Montana State University

Bozeman, MT

- 4.0 GPA, *Summa cum laude* with honors, 157 credits.
- Presidential Scholar, National Merit Scholar, Honors College, MUS Honors, ACM officer.

Great Falls High School

Aug. 2016 – May 2020

- President of Student Council and Speech & Debate. 4.0 GPA, Rank 1/252, 35 ACT.

Great Falls, MT

SKILLS, PROJECTS, & INTERESTS

- **Skills:** Python, Scala, React, Java, Go, SQL, Git, Agile, GCP, Docker, Machine Learning, AI, 100 WPM.
- **Projects:** turnerburchard.com/projects, Adv. Artificial Intelligence, Adv. Data Mining, Empirical Software Eng.
- **Interests:** Climbing, skiing, hiking, hacking, gaming, chess, photography, traveling.