

# Turner Burchard

turnerburchard@gmail.com | 406-770-9271 | Bozeman, MT | [turnerburchard.com](https://turnerburchard.com)

---

## WORK EXPERIENCE

---

### onXmaps

June 2024 – August 2024

*Software Development Intern*

*Bozeman, MT*

- Designed and implemented a customer usage analytics dashboard with BigQuery, Python, and Airflow.
- Refactored an ETL geospatial data pipeline processing petabytes per month using Python, Go, and GCP.
- Led infrastructure improvements, reducing build times by 35% and optimizing CI/CD processes.

### 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 up to 30 students as a group and 200 students one-on-one.

### Quiq

May 2023 – March 2024

*Backend Engineering Intern*

*Bozeman, MT*

- Developed Scala and Python REST API backend for a Conversational AI support AI web app.
- Collaborated as a full software engineer in an agile team, consistently exceeding project expectations.
- Worked on customizable AI chatbots with LLM reasoning, increasing customer satisfaction rates.

### 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*

- 3.9 GPA, Artificial Intelligence Certificate, Teaching Assistant, 10 graduate courses.

### 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, Research.

### 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, Go, Java, Javascript, SQL, Scala, React, C++, Git, GCP, AWS, Docker, Terraform, ML, AI.
- **Projects:** [turnerburchard.com/projects](https://turnerburchard.com/projects), Adv. Artificial Intelligence, Comp. Geometry, Adv. Data Mining
- **Interests:** Climbing, skiing, hiking, hacking, gaming, chess, photography, traveling.