

# Turner Burchard

turnerburchard@gmail.com | (406) 770-9271 | Bozeman, MT | turnerburchard.com

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## WORK EXPERIENCE

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### onXmaps

June 2024 – Present

*Software Development Intern*

*Bozeman, MT*

- Engineered a data pipeline for geospatial data using Python and Go.
- Worked with stakeholders to build a metrics dashboard to describe customer usage.
- Reduced build times by over 60% and contributed equally with an agile team.
- Transformed raw and geospatial data for integration into Web, iOS, and Android apps.

### 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 abilities, increasing self-serve rates and satisfaction.
- Contributed to 20+ microservices, totaling 200+ commits and thousands of lines of code.

### Brightvine

Jan. 2022 – May 2023

*Full Stack Engineering Intern*

*Bozeman, MT*

- Created multiple blockchain-based financial web applications from scratch as a primary or secondary engineer.
- Worked in a key role as a full-stack engineer in a small development team.
- Utilized a React frontend with a Go backend in a modern microservice architecture.

### Montana State University

Aug. 2021 – May 2022

*Teaching Assistant*

*Bozeman, MT*

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

### D.A. Davidson

June 2019 – 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

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### Montana State University

Aug. 2020 – May 2024

*BS, Computer Science*

*Bozeman, MT*

- 4.0 GPA, *Summa cum laude* with honors, President's List for 8 semesters, 157 credits.
- Presidential Scholar, Honors College, ACM officer.
- Completed one semester of MS in Computer Science while earning bachelor's degree.
- Projects: Java Compiler, Neural Network Ensembles, UX Design, [turnerburchard.com/projects](https://turnerburchard.com/projects)

### Great Falls High School

Aug. 2016 – May 2020

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

*Great Falls, MT*

## SKILLS, INTERESTS & AWARDS

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- **Skills:** Scala, Python, React, Java, Go, SQL, C, Bash, Git, Agile, GCP, 100 WPM.
- **Interests:** Climbing, skiing, hiking, hacking, gaming, chess, photography, traveling.
- **Awards:** Cameron Presidential Scholar, National Merit Scholar, MUS Honors, MUS STEM.