

GRANT BALDWIN

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PROFESSIONAL EXPERIENCE

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| <i>Charter Communications</i> | SYSTEMS ENGINEER II <div style="text-align: right;"><i>Apr '25 – Present</i></div> <ul style="list-style-type: none"> – Identified, developed, and deployed an automation reducing small cell install time by 30+ minutes, projected to save the company \$100k by the end of the year. – Performed a complete re-architecture and refactor on an existing 5G automation to fix consistent reliability, timeliness, and accuracy issues on 3000+ performance indicators for millions of GNBs. – Developed an Ansible playbook to deploy a database server with Postgres + Timescale and integrated LDAP user logins to significantly reduce database user management over time. – Ensured 99% uptime, monitoring, alerting, consistency, accuracy, and up-to-date documentation on 30+ ETLs all developed and owned by me. – Sole product owner and developer on all 5G automation workflows, supporting multiple full-time data scientists across various teams in the organization. – Introduced and administered code reviews into the team's weekly workflow to ensure code quality, idea sharing, and continued learning for all technical team members. |
| <i>Charter Communications</i> | SYSTEMS ENGINEER I <div style="text-align: right;"><i>Mar '24 – Apr '25</i></div> <ul style="list-style-type: none"> – Won both the Q3 Quarterly Excellence Award (Aug '24) and the Above and Beyond Award (Oct '24) – Worked with non-technical users across several teams to develop a chat bot used hundreds of times per day providing concise, real-time information on access point information. – Rapidly developed and deployed a breakfix automation to stifle a botnet resulting in quick, easy identification of infected access points, alongside incorporating extensive graphing and alerting on the project using Prometheus and Grafana. – Created a cookiecutter project structure to ensure consistency across the team's developments. – Introduced modern Python practices (e.g., linting, type hinting, virtual environments) improving code clarity, security, and team efficiency – Developed and deployed several large, containerized ETL automations in Python. One of these ETLs reduced critical missing data from 6% to 0.6% for the team's data scientist |
| <i>Charter Communications</i> | NETWORK AUTOMATION INTERN <div style="text-align: right;"><i>June '23 – Aug '23</i></div> <ul style="list-style-type: none"> – Significantly refactored and deployed an automation directly impacting tens of thousands of customers to be more readable, maintainable, and to work as expected. – Helped develop a robust common package for the team to utilize moving forward. |
| <i>Pie Insurance</i> | SOFTWARE ENGINEERING INTERN <div style="text-align: right;"><i>May '22 – Aug '22</i></div> <ul style="list-style-type: none"> – Worked directly with the quoting team to create and update critical software used to generate insurance quotes, reducing average quote generation time by over 80%. |

EDUCATION

Colorado School of
Mines

UNDERGRADUATE COMPUTER SCIENCE + BUSINESS MINOR

Aug '20 – Dec '23

- Won class-wide freshmen design competition using a Raspberry Pi running a custom AI.
- Dean's list in 2020 and 2021.
- Completed upper-level coursework in Computer Graphics, Operating Systems, Algorithms, Data Science, and Information Security & Privacy.
- Took a variety of high level non-coding classes including Risk Communication, Corporate Finance, and Business Strategy.

LANGUAGE PROFICIENCY

- Very proficient in Python and HTML + CSS
- Proficient in C, C++, and SQL
- Experience with Rust, TypeScript, Java, Kotlin, OCaml and RISC-V

FAMILIAR TECHNOLOGIES

- Ansible, Docker, Podman, Linux, Kubernetes, Redis, Grafana, Prometheus, Postgres, CI/CD, Git, SQLAlchemy, Google Apps Script, Wordpress

INTERESTS AND MOSTLY USELESS SKILLS

- Rock climbing, skiing, hiking national parks, online typing contests, and chess