

Will Humphlett

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Education

Auburn University May 2023
Bachelor of Software Engineering
GPA: 3.86/4.00

Work Experience

Software Engineer, Roblox August 2023—Present

Data Infrastructure

- Built an analytics platform to calculate and serve classical core datasets (engagement, retention, acquisition, monetization) and platform-specific user behavior datasets.
- Developed an event ingestion pipeline (10GB/s) to enable analysis for internal business intelligence and creator-facing analytics

Software Intern, Roblox May 2022—August 2022

Data Infrastructure

- Developed a scalable analytics platform serving 1 million developers
- Used cutting-edge techniques (such as HyperLogLog/++) to enable scalable and fast metric calculation
- Reduced annual costs for the existing platform from \$5 million to \$20 thousand

Cooperative Education Student, ADTRAN

Feature Development Team

Summer 2021

- Led the effort to upgrade the codebase from Python 2 to Python 3
- Created modern infrastructure and oversaw its development by several international teams
- Developed features for ADTRAN's customer-facing management software

Developer Experience

Fall 2020

- Profiled and improved continuous integration pipelines to shorten execution times by up to 50%
- Created and enhanced in-house tools to improve the development of software company-wide

Broadband System Testing

Spring 2020

- Wrote and maintained system-level tests to ensure the quality of multiple internet infrastructure products
- Created multiple pipelines to implement continuous integration to aid in better development practices

Freelance Software Developer

Pricing and Sales Automation Software Developer, Zinc Group

March 2020—May 2022

- Created a web app to aggregate in-house pricing data to generate sales sheets
- Reduced labor requirement for pricing from six hours to five minutes

Corporate Compliance Software Developer, IT-Baseline

August 2021—May 2022

- Building a web app to ensure corporate adherence to Sarbanes-Oxley and the COSO standard
- Adding functionality to enable any corporate standard to be tracked and auditable

Personal Projects

People's Advisor, Open Source Project

- Created and maintained an open-source framework to allow others to develop, test, and deploy algorithmic trading strategies in the Foreign Exchange market

Chess-Bot, Open Source Project

- An implementation of [DeepChess](#), trained and tuned to play chess online.

Programming Languages & Skills

Python, Go, C, C++, Java, Bash, SQL, HTML, CSS, JS

Linux, AWS, Git, GitHub, Docker, Pytest, Robot Framework, REST APIs, Django Web Framework, Continuous Integration, Airflow, Jenkins, GitHub Actions, Agile, SAFe