Logan Rose

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Professional Experience

Ally Financial **Detroit, MI**
Detroit, MI June 2024 - Present
Software Engineer

- Unified site across teams in my organization with Rust Backend (Lambda) and Next.js
- ETL Pipeline processing millions of data points for Auto Finance agreements
- Interactive dashboard to improve data interfacing for business and IT teams
- Machine learning model to help partnered dealerships improve processing speed
- Refining build pipeline and implementing linter into gitlab ci-cd .yamls
- Onboarded team to best practices with tools such as uv, ruff, and pre-commit

Education

University of Michigan **Ann Arbor, MI**
B.S. Computer Science 2021 - 2024

Skills

Technical: Rust, C++, Python, SQL (Analytical DBs i.e. Snowflake)
Intangibles: Interpersonal Communication, Conflict Resolution, Comfortable in Teams

Work Projects

- **Collateral Equipment Discrepancy**
  - Designed and developed an internal web application for Ally's CAM (Customer Asset Management) team, allowing representatives to review customer information fed from several data sources in one application eliminating the need for manual data consolidation. This process reduced account processing time by ~70% and has saved $5.4m YTD
- **Team metrics data-pipeline**
  - Architected, designed, and developed an automated process for monitoring automations and to perform metric analysis to drive future development and DevOps, alongside a bespoke table auditor leveraging snowflake change tracking.
- **Allocation Issue Detection**
  - Designed and implemented an algorithmic approach to detecting allocation fraud within our dealer partnerships that saves $20m a month on average.
- **Transport Distance Matrix**
  - Designed and integrated with Google Maps API in order to detect fraudulent charges from transporters based upon claimed mileage
- **RPA Dev-kit**
  - Designed and maintain a package on our internal nexus repository that allows a significant amount of boilerplate code to be reduced by having them standardized and easily available to developers when starting new projects