Rahul Yedida, Software Developer

Website :: GitHub :: LinkedIn :: Google Scholar :: Google Developers

hello@ryedida.me

+1 (206) 660-7542

SKILLS

Languages: Python, TypeScript, Java, Rust, C++, Gleam

Frameworks: Flask, Node.js, React

ML/AI: Keras, PyTorch, Hyper-parameter Optimization, Bayesian Optimization

Databases: MySQL, MongoDB, DynamoDB

Cloud: Google Cloud (Compute Engine, Cloud Storage, Vertex AI), AWS (EC2, S3, DynamoDB)

EMPLOYMENT

LexisNexis Legal & Professional — Raleigh, NC

Senior Data Scientist I — *May 2024 - Present*

- Improved customer-facing product runtime by 24.8% and reduced peak memory usage duration by 21.3%. Helped improve complaint drafting results by 115% and motion drafting by 28.4% of usefulness.
- Led initiatives to use Bayesian optimization for prompt tuning and migration effort from RAG to agentic drafting system.
- Developed fast passage filtering approach based on contrastive loss.
- **Technology:** Python, Litestar, React, TypeScript, Tailwind

Amazon — New York, NY / Bellevue, WA

Software Dev Engineer Intern — *May 2023 - Aug 2023*

- Implemented profile locks for Prime Video on Echo Show devices.
- **Technology:** React Native, TypeScript

Software Dev Engineer Intern — *May 2022 - Jul 2022*

- Developed a full-stack system to publish announcements in scorecards used by delivery service partners (DSPs).
- **Technology:** React/Redux, TypeScript, Redux Saga, DynamoDB, Java Spring

HONORS

Google Developer Expert - ML and GCP — Mar 2025 - Present

The Google Developer Experts program is a global network of highly experienced technology experts, influencers, and thought leaders who have expertise in Google technologies, are active leaders in the space, natural mentors, and contribute to the wider developer and startup ecosystem.

Google Cloud Champion Innovator - Cloud AI/ML — Oct 2022 - Mar 2025

Champion Innovators are a global network of more than 500 professionals, nominated by Googlers, who are technical experts in Google Cloud products and services. Each Champion specializes in one of nine different technical categories. In 2025, the Champion Innovators program was merged into the Google Developer Experts program.

RELEVANT PROJECTS

RAG-based Q&A System for Zotero — Oct 2024 - Present

Rust, SQLite, LanceDB — *GitHub :: crates.io*

Built a question-answering and semantic search system based on the user's Zotero library. Wrote a custom PDF parser for academic papers and a RAG library with support for multiple providers and tool calling.

Programmable Resumes — Aug 2023 - Mar 2025

Python — *GitHub*

Developed a specification and implementation for modular, customizable resumes with support for two popular LaTeX templates. Wrote this resume using this tool.

pysh — May 2021 - Dec 2024

C++, TMLanguage — *GitHub*

Developed a superset of Python that allows running Shell code natively, with a VS Code syntax highlighting extension.

Threaded Discussions Website Feb 2021 - Jun 2021

MongoDB, Node.js, React [GitHub](#)

Companion website for video calls that allows for Reddit-style, threaded discussions.

NearConnect Nov 2020 - Mar 2021

iOS, SwiftUI [GitHub](#) :: [App Store](#)

iOS app to connect with people nearby using multicast peer-to-peer connections.

EDUCATION

North Carolina State University Raleigh, NC

Ph.D. Computer Science *Aug 2019 - Jul 2024*

- Advisor: *Dr. Tim Menzies*
- Dissertation: *Guidelines for the Application of Neural Technologies in Software Analytics (or: How to Do More with Less in SE)*

PES University Bangalore, India

B.E. Computer Science – Advisor: Dr. Snehanshu Saha *Aug 2015 - May 2019*