

EDUCATION

North Carolina State University
Ph.D. Computer Science – Advisor: Dr. Tim Menzies

Raleigh, NC
Aug 2019 - Jul 2024

PES University
B.E. Computer Science

Bangalore, India
Aug 2015 - May 2019

EMPLOYMENT

LexisNexis Legal & Professional
Senior Data Scientist I

Raleigh, NC
May 2024 - Present

- **Performance improvements:** Improved customer-facing product runtime by 24.8% through various inefficiency fixes based on profiling results.
- **Workflow improvement:** Proposed and proved utility of tabu search and Bayesian optimization methods for prompt tuning.
- **Technology:** Python, Splunk

Amazon
Software Dev Engineer Intern

New York, NY / Bellevue, WA
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 AND AWARDS

Google Cloud Champion Innovator - Cloud AI/ML, Jul 2023

Google Cloud Research Innovators Mentor, Dec 2022

Google Cloud Champion Innovator, Oct 2022

Google Cloud Research Innovator, Feb 2022

RELEVANT PROJECTS

Lastodo
Rust

May 2024 - Present
[GitHub](#)

Developed a TUI todo application with vim-like keybindings.

Programmable Resumes
Python

Aug 2023 - Present
[GitHub](#)

Developed a specification and implementation for modular, customizable resumes with support for two popular LaTeX templates.

pysh
C++, TMLanguage

May 2021 - Present
[GitHub](#)

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

Threaded Discussions Website
MongoDB, Node.js, React

Feb 2021 - Jun 2021
[GitHub](#)

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

NearConnect
iOS, SwiftUI

Nov 2020 - Mar 2021
[GitHub](#) :: [App Store](#)

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

SKILLS

Languages: Python, TypeScript, Java, C++

Frameworks: Flask, Keras, PyTorch, Node.js, React

Databases: MySQL, MongoDB, DynamoDB

Cloud: Google Compute Engine, RDS, S3, Google Cloud Storage, EC2