Rexford Essilfie

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EDUCATION

University of Iowa   **Iowa City, IA**
Master of Computer Science · GPA: 3.93   May 2023

Grinnell College   **Grinnell, IA**
Bachelor of Arts in Computer Science, Music · GPA: 3.82   May 2022

EXPERIENCE

Software Engineer II   **San Francisco, CA**
Chipper Cash   August 2023 - Present

- Led the enhancement of React Native mobile application performance by optimizing API interactions and state management with Redux, reducing over-fetching and decreasing server loads.
- Developed and maintained a cross-platform UI library and code-generation CLI tools, enhancing mobile platform reliability, developer experience, and application consistency.
- Successfully implemented and launched the Virtual Cards product redesign, business account onboarding, and a P2P payment links website using Next.js, TypeScript and Tailwind CSS.

Software Engineering Summer Analyst   **Atlanta, GA**
BlackRock   June 2022 - August 2022

- Developed RESTful APIs and web workspaces to support legal entity configuration within a multi-client accounting portal, utilizing Angular and Spring Boot to enhance the client accounting experience.
- Delivered detailed presentations to key stakeholders, showcasing the system architecture and primary features of the legal entity project.
- Accelerated project delivery by mentoring team interns, guiding the technical implementation strategy, and providing debugging support.

Software Engineering Summer Analyst   **(Remote) Atlanta, GA**
BlackRock   June 2021 - August 2021

- Implemented a machine learning (ML) algorithm for sequence clustering in Python to facilitate automated detection of user personas using click-stream data from applications.
- Improved performance of the sequence clustering algorithm by 91% over the the naive approach.
- Operated within an Agile framework, creating presentations and Wikis for both technical and non-technical audiences to highlight weekly progress and the ultimate ML implementation.

PROJECTS

Job Tracker   Jan 2023 - May 2023

- Developed a job tracking application to track and visualize long-running AI/ML models using Python and Next.js, automatically deployed on AWS using AWS CDK (Cloud Development Kit).

Moat Invest   May 2020 - May 2021

- Developed an investment-focused social media platform using MongoDB, Express, React and Node.js (MERN) for sharing investment ideas.

SKILLS

Technical Skills - Node.js · Typescript · Next.js · React · React Native, · HTML/CSS/JavaScript · Python · Java · Angular · Ruby/Rails · C/C++ · Figma · Git/GitHub · Heroku · Postgres · AWS

Activities - Teaching Assistant for Intro to Programming in Java, 2022-2023 @ University of Iowa · Lyft Early Talent Access Program 2020 · Mentor for Software Design & Development Course @ Grinnell CSC Dept. · Student Educational Policy Committee Member, 2019-2022 @ Grinnell CSC Dept.