

Mihir Achyuta

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EDUCATION

University of Wisconsin Madison,

05/2024 | Madison, WI

Bachelors of Science In Computer Science - 3.6 GPA

Relevant Coursework: Algorithms, Operating Systems, Parallel & Throughput Programming, Networks, Databases

EXPERIENCE

ZipRecruiter, Software Engineer

present | Remote

- Incoming Software Engineer on Proactive Sourcing team

ZipRecruiter, Software Engineering Intern

05/2023 – 08/2023 | Santa Monica, CA

- Revamped candidate experience by **styling** Project components, **optimizing** redundant modals in Candidate Sourcing, and **overhauling** Messaging Service in **React** and **Styled Components** for **Proactive Sourcing**
- Engineered **Decipher**, a **Workflow Integration**, that swiftly translates acronym-filled sentences from **minutes to seconds** from scratch available via a **Command Line Interface** and a **Slack Bot**
- Deployed **company-wide tool** to scan and parse **thousands** of Slack messages and internal sites, enabling translation and querying of **hundreds of acronyms** through **DynamoDB**
- Implemented **Cloudflare GSuite SSO** integration in the **Node** and **Express** server, enabling **seamless authentication** for **thousands of users**

Rippling, Software Engineering Intern

09/2022 – 12/2022 | San Francisco, CA

- Worked on the **Time and Attendance** team, allowing fast automated tracking of over **5 billion** employee hours, clock-ins, payrolls, and schedules on **any device**
- Built out a **forward-looking projection** of accruals and caps for **multiple leave policies** for administrators resulting in **30% less** support calls and saving over **10k** accrual hours into a component library in **React**
- Developed **policy creation** UI's with **Typescript** and with styled **SASS** components to show **impacts** of accrual selections over an **incremental period of months or years**
- Spearheaded **first** extendable policy preview component library from scratch and created **RESTful API's** in **Django** with **MongoDB** models overseeing **thousands** of employees and administrators

Facebook, Software Engineering Intern

05/2022 – 08/2022 | Menlo Park, CA

- Worked with **Rust** and **Javascript** on **Hallmark**, a **policy engine** and **metadata store** ensuring an end-to-end verifiable software **supply chain**, tracking and auditing **artifacts** through **Facebook's** Dev Infra Org
- Engineered a **time based** explain feature to help **debug** dynamic artifact property evaluations affecting **25+ million** artifacts and the validation of **5+ billion** references with the help of **Apache Thrift** endpoints
- Converted Hallmark's **Directed Acyclic Graph** to allow **queries** of overlayed transform **groups and graphs**, making clear the **relationship** between artifacts in the **build process**
- Plotted the generalized **transform group graph**, tracking **genericized paths** of common artifacts, in **React**, allowing parts of the graph to be **collapsible and expandable** on demand

Hardly, Software Engineering Intern

05/2021 – 08/2021 | San Jose, CA

- Worked on a **productivity app** that prioritizes **1000's** of notifications to **improve** remote work **productivity**
- Built and integrated **5+ React** and **ChartJS** UI's into production and styled them with **Tailwind CSS**
- Migrated the old **Electron React** and **TypeScript** code into the new **React** app and established the **new** local **component library** of over **7** components
- Devised a **Tailwind** styled UI in **Electron** for users to input multiple CSV datasets and **dynamically displayed** the sentiment-analyzed data, **highlighting** important keywords

PROJECTS

Operating Systems, C

- Developed User Mode Unix Shell, Parallel Merge Sort, Ext2 Disk Image Checker, Remote Procedure Calls and Kernel Mode xv6 Stride Scheduler, Copy on Write Fork projects for Operating Systems class

Paralell & Throughput Programming, C++

- Improved performance of parallellized Laplacian Stencils and Solvers by utilizing optimization techniques including OpenMP, Cache Utilization, GEMM Blocking, Intel MKL + PARDISO, and Assembly Intrinsics

SKILLS

Languages/Libraries (C++, Python, JavaScript, Node, MySQL, React, HTML/CSS, SASS),

Frameworks (MongoDB, Express, Tailwind CSS, Material UI), Tools (Git, AWS, Heroku, Netlify)