

Rahul Vaidun

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EDUCATION

Georgia Institute of Technology

September 2023 -

M.S., Computer Science

University of California, Santa Cruz Santa Cruz, CA

September 2020 - June 2023

B.S., Computer Science | GPA: 3.62

Relevant Coursework: Programming Abstractions Python, Calculus, Computer Systems and Assembly Language, Discrete Math, Computer Systems and C Programming, Vector Calculus, Computer Architecture, Introduction to Probability Theory, Data Structures and Algorithms, Advanced Programming, Machine Learning, Foundations of Programming Languages, Introduction to Analysis of Algorithms, Data Programming for Visualization, Computational Models, Principles of Computer System Design, Statistics

SKILLS

Fluent: Java, Python, C, Javascript, Web Frameworks, R, Typescript, Web Development, MIPS Assembly, SQL, MongoDB, Express, Flask, C++, Latex, PostgreSQL, AWS, Terraform, Anypoint Platform, Go, CSS, Kubernetes, Jenkins, SpringBoot, Kafka, Prometheus

Exposure to: Swift, Objective C, PHP, Dataweave, Apache Spark

WORK EXPERIENCE

Experian San Jose, CA

January 2024 - Present

Backend Software Engineer Python

- Implemented a robust Python service wrapper library for Experian's **Docker** microservices, facilitating the exposure of business and operational metrics with **Prometheus** and integration with **Kafka** within **Kubernetes** environments.
- Created and maintained comprehensive **Grafana** dashboards to visualize metrics, improving visibility into system performance and operational and business insights for stakeholders.
- Leveraged AWS cloud services, including ECS, EKS, EC2, MSK, OpenSearch, and SageMaker, to enhance system scalability, reliability, supporting advanced data analytics and machine learning initiatives.

Texts.com San Francisco, CA

May 2023 - November 2023

Full Stack Software Engineer

- Developed a private Instagram API and successfully integrated Instagram messaging into Texts' multi-platform clients, resulting in an increase in user engagement across desktop, iOS, and Android.
- Reverse engineered Instagram WebSocket connection for direct messages, Instagram relational database schema, and Twitter mobile app.
- Shipped Instagram direct messages and Twitter reactions into Texts client product on iOS and desktop.

MuleSoft, a Salesforce Company San Francisco, CA

June 2022 - September 2022

Channel Solutions Engineer Summer 2022 Intern

- Created an enablement menu for the Channel Solution Engineer Team and collected, tracked, and resolved stakeholder feedback
- Founded new solutions and APIs in the **Anypoint platform** using the Anypoint Studio IDE, wrote thorough documentation, and did QA testing for the APIs
- Streamlined the onboarding process for implementation partners by developing educational resources, reducing average partner ramp-up time

SkyGeni San Jose, CA

June 2020 - September 2021

Full Stack Software Engineering Intern

- Delivered custom machine learning model for text tagging using **Python** Natural Language Toolkit (NLTK) and Stanford's Named Entity Recognition (NER) Developed a conversational LLM that utilized NER tools to concisely respond to targeted sales questions from an end-client
- Engineered and launched a responsive AI interaction web/mobile application using **React**, **Flask**, and **Redux**, serving 3 customers within the first month of launch.
- Wrote rigorous unit tests to stress-test conversational AI and identify potential pit-falls in encoding user questions

PROJECTS/LEADERSHIP

BeFake (<https://github.com/rvaidun/befake>) *Vue, Firebase, Google Analytics*

- Founder of BeFake, a free and open-sourced website that reverse engineers BeReal API to provide over 500k users with a third party web client. Handling peak loads of 5000 users/minute and 280+ stars on Github
- Implemented logging and metrics for tracking user interaction using Google Analytics