Nikhil Dev Mittu

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Education

Bachelor of Science in Computer Science	Expected Graduation May 2023
Bachelor of Science in Mathematics	Expected Graduation May 2023

- GPA: 3.981/4.00   Major GPA: 4.00/4.00
- Minor in Physics
- Member of the Honors program (Gemstone honors research program) & Dean's list every semester

Projects

- Interpreter (Lexer, Parser, and Evaluator) for a subset of the C programming language (Ocaml)
- Program to match strings based on a pattern (regex parser) (Ocaml)
- Wrote compiler that compiles Racket code to x86 Assembly (Racket)
- Built an app that Montgomery County Public School students could use to view their grades and see hypothetical changes, with more than 10,000 installs across iOS and Android. (Flutter/Dart)

Professional Experience

Stripe   New York City, NY
Software Engineering Intern   May 2022 – August 2022

- Worked on building a self-service feature on the stripe dashboard to help merchants copy data between stripe accounts.
- Built frontend components in React to allow merchants to select specific customer objects to copy to a new stripe account.
- Updated backend APIs to support partial copy of customer data from an uploaded list of customer ids.
- Drove internal testing of the new feature and found no major bugs.

Technical skills: Typescript, Ruby, React, GraphQL

Google   Remote
Software Engineering Intern   bApril 2021 – July 2021

- Added several new call history features to the Android and iOS Google Maps app.
- Wrote backend data processing pipelines to update the backend status of businesses in call history experiments.
- Added call history features to internal Google Maps admin tools used to manage maps listings.
- Collaborated with many engineers from various teams to build calls related features.

Technical skills: Java, Typescript, Protobuf, SQL, Objective-C, Angular, Android, iOS

Facebook   Remote
Software Engineering Intern   Jan 2021 – April 2021

- Worked on rebuilding Instagram's organic and promotion insights surface using a cross-platform mobile framework.
- Created new surfaces to onboard merchants to appointments on Instagram.
- Added deeplinks/universal links to the Instagram iOS/Android apps that are opened from email and push notifications.
- Wrote numerous push and email notifications that update businesses on their verification status.
- Extensively tested the new surfaces and fixed new and existing bugs.

Technical skills: Python, Hack (PHP), Java, Objective-C, Android, iOS

Google   Remote
STEP Intern   May 2020 – August 2020

- Built a capstone project which provided CS courses with an improved environment to hold virtual office hours.
- Built a collaborative coding workspace using the Firepad API to allow TA's and students to share code and edits in real-time.
- Developed a code execution feature that allows users to execute code from their workspace in Docker based containers and get its output in real-time.
- Completed five weeks of STEP starter projects that introduced web development, App Engine, and Google API's.

GitHub repo: https://github.com/googleinterns/step87-2020
Technical skills: Java servlets, Javascript, Docker, Google Cloud, App Engine, Compute Engine, Firebase

NASA Goddard   Greenbelt, MD
Software Development Intern (Employed as an ASRC Federal Contractor)   Intermittent from 2020 - 2022

- Worked on the GMSEC Elysium API which converts a custom query language to SQL or Elasticsearch queries.
- The Elysium API is used to store and query GMSEC messages in several different types of databases.
- The API is able to handle storing millions of messages at a time.

Technical skills: Gradle, Docker, Java, Multithreading, Reactive Streams, Elasticsearch, Git, Bash, Linux

Volunteer

Technica & Bitcamp (Logistics Organizer)   April 2020 – Present

- Helped organize logistics for two of the largest hackathons on the east coast.