Suyash Shekhar

suyashshekhar@gmail.com | (+65) 88908840 | https://suyash.dev

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE
BComp in Computer Science
University Scholars Programme
Graduated January 2021

SKILLS

Experienced:
Go · Python · iOS · Swift
Java · SQL · Spark · Scala
TypeScript · React · Angular
Flask · NodeJS · Prolog

Familiar:
C++ · Hadoop · Haskell
Objective-C · Ruby · OCaml
GraphQL · Coq · C

COURSEWORK

- Big Data Architecture
- Information Retrieval
- Programming Language Theory
- Natural Language Processing

TEACHING

Data Structures and Algorithms:
Spring, 2018

Software Engineering:
Fall, 2018

AWARDS

2019	University Scholars Programme Honor Roll
2019	Honour List of Student Tutors
2018	Best Project Award (iOS) at NUS Computing Project Showcase
2016	NUS Science and Tech Scholarship
2015	7 Distinctions at GCE 'A' Levels
2012	A*STAR Youth Scholarship (awarded to top 7 students nationally)
2012	National Talent Search Scholarship

EXPERIENCE

BYTEDANCE | SOFTWARE ENGINEER
Jan 2020 - Present | Singapore
- Worked with the Video Infrastructure team and currently working with the Distributed Storage team (NoSQL).
- Building a distributed resource-allocator for Redis and Abase clusters to support auto-balancing and auto-scaling.

TRAVERSE | SOFTWARE ENGINEERING INTERN
May 2020 - Aug 2020 | Singapore
- Traverse is a YC-backed renewable energy startup in Singapore.
- Wrote modules to parse and process raw wind sensor data.
- Upgraded data pipelines to automate sensor configuration changes.

AFFIRM | SOFTWARE ENGINEERING INTERN
Sept 2019 - Dec 2019 | San Francisco Bay Area
- Interned with the Risk Engineering team.
- Modularised payment data models to allow the company to offer more flexible financing options.
- Built an internal tool for the pricing team to automate their tedious data workflow.

GOOGLE | SOFTWARE ENGINEERING INTERN
May 2019 - Aug 2019 | Mountain View, California
- Interned with the Android Telemetry team.
- Built a service to issue ADB commands to Android via WebUSB
- Capable of communicating with multiple devices simultaneously
- Built an IndexedDB cache capable of making page load over 15x faster.
- All code was reviewed and pushed into production.

SEA GROUP | SOFTWARE ENGINEERING INTERN
May 2018 - Aug 2018 | Singapore
- Built an iOS Debugging SDK using Swift 4 and Objective-C.
- Used Objective-C runtime to monitor network latency.
- Socket programming in Objective-C to monitor TCP/IP.
- Assembly and system calls to estimate CPU Freq and RAM usage.
- Other features - stack trace, view hierarchies and OS configuration.

TINKERBOX | SOFTWARE ENGINEERING INTERN
May 2017 - July 2017 | Singapore
- Improved, deployed and maintained an employee feedback system used by Grab and its over 2000 employees.
- Used Ruby on Rails and HTML, CSS and CoffeeScript(JS) / jQuery.

CLUBS

NUS HACKERS | PRESIDENT (2018-19)
April 2017 – Present | NUS, Singapore
- A student group committed to spreading hacker culture and open source software in Singapore.
- Led Hack&Roll 2019, the largest student-run hackathon in Singapore with around 550 participants and over 120 projects.
- Taught technical workshops on git, HTML & CSS and Linux.