SUYASH SHEKHAR

suyash@nushackers.org | +65 90452163 | sushinoya.io

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

BComp in Computer Science University Scholars Programme Expected April 2020 | Singapore

SKILLS

Experienced:

Java • Python • Swift HTML • CSS • iOS

Familiar:

Objective-C • Ruby Ruby on Rails • C Haskell • JavaScript SQL • Prolog

COURSEWORK

Natural Language Processing
Machine Learning
Advanced Algorithms
Operating Systems
Programming Language Theory
Probability and Statistics
Software Engineering

TEACHING

Data Structures and Algorithms: Spring, 2018

Software Engineering: Fall, 2018

AWARDS

2018 Best Project Award (iOS)
NUS Computing
Project Showcase

2016 NUS Science and Tech Scholarship

2014 **7 Distinctions** at GCE 'A' Levels

2012 A*STAR India Youth
Scholarship (awarded to top 7 students in India)

2011 Blue Blazer Award (academic excellence throughout High School)

2011 National Talent Search Scholarship

CLUBS

NUS HACKERS | PRESIDENT

April 2017 - Present | NUS, Singapore

- A student group committed to the spread of hacker culture and open source software in Singapore.
- Organised Hack&Roll 2018, the largest student-run hackathon in Singapore with over 450 participants and over 100 projects.
- Organised weekly technical meetups with various speakers from the Industry and Academia. The club has organised 154 so far.
- Organised and taught at technical workshops on various topics such as git and web development.

EXPERIENCE

SEA (GARENA) | SOFTWARE ENGINEERING INTERN

May 2018 - August 2018 | Singapore

- Build an iOS Debugging SDK from 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 Frequency and RAM usage.
- Other notable features generating Stack Trace, View Hierarchies, System Configuration and Resource Consumption.
- The SDK is incorporated into all new iOS applications by the company.

TINKERBOX STUDIOS | SOFTWARE ENGINEERING INTERN

May 2017 - July 2017 | Singapore

- Improved, deployed and maintained an employee feedback system used by Grab and its 2000 over of its employees.
- Worked on Tinkerdex, a client management system while keeping in mind compatibility and design constraints.
- Revamped the Manager's Dashboard and designed a mailer daemon to send real-time updates to customers.
- Used Ruby on Rails and HTML, CSS and CoffeeScript(JS)/ jQuery.

PROJECTS

LUMOS | SWIFT, OBJECTIVE-C RUNTIME

July 2018 - August 2018

- · A light Swift wrapper around Objective-C runtime methods.
- Memory and type safe with Swift's strong type system.
- Provides a simple API for method/property swizzling and modifying methods, objects and classes at runtime.

NUSLIB | SWIFT

March 2018 - April 2018

- An iOS app which allows users to browse, search and reserve books from the NUS Libraries and track their borrowing history.
- Users can also review books and get recommended books based on their search and borrowing history.

SORTING HAT | PYTHON

February 2018 - March 2018

- Used by the USP hostel office to allocate rooms to its over 600 residents.
- Considers both administrations constraints and residents' preferred room types, floors and neighbours.
- Uses satisfiability and backtracking to optimise for residents' satisfaction.
- Made using Python, z3-solver and pandas from scratch.