# Jonathan Ng

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H1B1 Eligible | +65 83995537

## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

**BComp in Information Security**
December 2021 | Singapore, SG

## LINKS

Github:// **derpyplops**
LinkedIn:// **Jonathan Ng**

## COURSEWORK

### UNDERGRADUATE

Web Application
Database Management
Penetration Testing + Practicum
Systems & Web Security + Practicum
Computer Networks II + Practicum
Programming Methodology
*(Senior Teaching Asst.)*
Unix Tools and Scripting

## SKILLS

### PROGRAMMING

Proficient:
Python • Scala • VueJS
JS • SQL • React

Familiar:
Java• Shell
Golang • C++ • C

### TOOLS & FRAMEWORKS

Apollo GQL • ZIO • Play Framework
AWS • GRPC • Jest
AsciiDoc • Redux
express.js • Kafka • Docker

### INTERESTS

Effective Altruism
Arete Fellowship (SG) Organizer (Fall '20, Spring '21)
NUS Chapter Lead

## PROFESSIONAL EXPERIENCE

### LEADIQ | Software Engineer (Full-Stack)

Apr 2020 – June 2022 | Singapore
- LeadIQ builds tools for Sales Enablement and Automation.
- Built Self-Serve Single Sign-On, a feature that automates SSO client setup, and cuts a 2-3 week long process down to a day. Won internal hackathon 1st place. After winning, we brought the code and made it production ready in a month.
- Built Slack Bot delivering Job Change Notifications.
  *> Kafka, Scala, ZIO, Slack API*
- Built Assign Sequences with Outreach.io API
  *> Vue, CSS, HTML, ApolloGQL, Scala*

### STRONGSALT | Software Engineer Intern (Backend)

Jan 2020 – Apr 2020 | California, San Jose

- StrongSalt is an encryption platform, featuring the world's first always-on searchable encryption infrastructure.
- Wrote and deployed AWS S3 Component.
- Built and deployed API documentation from scratch with *Docusaurus*.
- Implemented the Go and NodeJS API endpoints with GRPC.

### HYDRAX | Software Engineer

Apr 2019 – Aug 2019 | Singapore, SG

- Wrote and deployed several adapters connecting APIs of trading venues with logic component for Sigma, used by 1000 unique users.
- Back-End developer - Wrote, reviewed and tested code with ReactJS, Jest.

### ACCENTURE | Technology Intern

Aug 2018 – Apr 2018 | Singapore, SG
- Wrote scripts to automate work processes with SAP systems in VBA.
- Wrote and quality checked of user guides for the final stage of UAT of project.

## COURSES

### MLSS | ML Safety Course

July - September 2022
- Course teaching ML and DL concepts, and current topics in AI Safety with focus on Systems Safety.

### ARENA | ML Engineering

October - December 2022
- Course imparting deep understanding about fundamentals systems such as DL, RL.
- Implemented architectures PPO, BERT, GPT (and more) from scratch.
- Hands on experience with the latest in mechanistic interpretability research.
- Contributed to TransformerLens, an open source library for interpretability research.