# Advay Pal

https://advaypal.com | advaypal@hotmail.com

## EDUCATION

**STANFORD UNIVERSITY**
MS in Computer Science
GPA: 4.15/4.0

**NATIONAL UNIVERSITY OF SINGAPORE**
BComp in Computer Science
GPA: 4.7/5.0
University Scholars Programme

## LINKS

Github:// **advaypal**
LinkedIn:// **advay-pal**
Twitter:// **advaypal**

## TEACHING

Operating Systems (CS140): Prof. David Mazières
Deep Learning (CS230): Prof. Andrew Ng
Data Structures and Algorithms (CS2020): Prof. Seth Gilbert
Programming Methodology (CS1101S): Prof. Martin Henz

## COURSEWORK

Operating Systems
Computer Networks
Compilers
Distributed Systems
Programming Languages
Deep Multi Task and Meta Learning
Natural Language Processing
Computer Vision
AI Planning and Decision Making
Machine Learning
Information Retrieval
Combinatorial and Graph Algorithms
Theory of Computation

## SKILLS

Experienced
• Python • JavaScript
Familiar
• Rust • C++ • C • Pytorch
• Tensorflow • Java • OCaml
• Scala • Swift • Ruby • SQL

## ACTIVITIES

NUS Hackers: **President** (17/18)
Inter College Games: **Soccer**

## EXPERIENCE

**MODAL LABS** | Forward Deployed Engineer
2024 - Present | New York City

**APPLIED INTUITION** | Software Engineer
2021 - 2023 | San Francisco Bay Area
- Joined the company at ∼90 employees.
- Full stack development for a new product, regularly interfacing with customers.
- Did work in compilers, optimization, OS apis and cloud infra.
- Worked with sales & product for onsite customer visits, workshops, and PoCs.
- Worked with recruiting to source, interview, and close candidates.

**STANFORD UNIVERSITY** | Adjunct Lecturer
2021 | San Francisco Bay Area
- Created and taught the world's first university course on **Transformer** deep learning models, advised by Prof. Christopher Manning.
- **100+** signups for the class, and **100k+** views for the online lectures on YouTube

**NURO** | Software Engineering Intern
2020 | San Francisco Bay Area
- Built a caching mechanism and timeout feature for a distributed job scheduling framework.

**ZILLIQA** | Software Engineering Intern
2019 | Singapore
- Reduced the **inter-process communication** overheads between the smart contract interpreter and the blockchain from **linear** to **constant.**
- Built a dApp on Zilliqa's platform to promote a marketing campaign.

**APPLE** | Software Engineering Intern
2018 | San Francisco Bay Area
- Built a **search indexing** tool to efficiently query Siri's **ontology.**
- Presented project to the **head** of Siri (Apple **VP** ).

**TWITTER** | Software Engineering Intern
2018 | San Francisco Bay Area
- Trained **deep neural networks** for video engagement on the **home timeline** .

**TWITTER** | Software Engineering Intern
2017 | San Francisco Bay Area
- Worked on **Twitter Lite,** a **progressive web app** with over **6 million** daily users.

**XFERS** | Software Engineering Intern
May 2016 - Jul 2016 | Singapore
- Worked as a **full stack** engineer at Xfers, a **YCombinator** Summer 2015 **startup.**
- Built a **system** to streamline Xfers' KYC onboarding process, and an internal **analytics dashboard.**

## ACHIEVEMENTS

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|---|---|
| 2020 | **Co-authored paper** published at the **IEEE Blockchain Conference 2020** |
| 2019 | **Gold medal** for **outstanding all-round achievement** in graduating CS class |
| 2019 | **Silver medal,** NUS Inter College Games, Soccer |
| 2018 | **Excellence in teaching** award for work as an undergraduate teaching assistant |
| 2017 | PwC Prize for the **most outstanding second year** CS Student |