

# Arya Vohra

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## Education

August 2018 **IB Diploma**, *UWCSEA*, Score: 45/45 | HL CS, HL Further Mathematics, HL  
| May 2020 Philosophy, HL Mathematics, *Singapore*.

**Completed Stanford CS224n, Stanford CS231n, DeepLearning.ai neural-network specialisation.**

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## Experience

May 2020 **Zipcall.io**, *Contributor*, JS, Socket.io.

- Built decentralised group call, the most requested feature, for Zipcall.io
- Zipcall.io is an open source video chat platform with 250k users

Jul 2020 – **Panko**, *Engineer, guide on advisory board*, JS, Socket.io.

Sept 2020 ◦ Princeton-based startup optimising profits for struggling restaurant owners during COVID-19. Built beta for 1 month, now a part-time engineer/advisor. Awarded 1% equity

Nov 2016 – **Questo**, *Co-Founder*, Python backend / iOS / and ML.

- Sept 2019
- Built app for generating test questions from pics of textbooks
  - Awarded USD 100,000 in cloud funding by Google to continue researching novel algorithms for question generation
  - Deployed Python Flask backend on Google Cloud using Travis, Docker & Kubernetes
  - #1 Product of the Day on ProductHunt & featured on Hackernews front-page
  - Won U19 student category @ IBM PitchIT 2016

Apr 2020 **Kafka**, iOS / ML.

- Swift NLP library that provides language tagging and parsing
- First-ever public implementation of dependency parsing on iOS

Jan 2019 **Bookworm**, *Hackathon hack*, C++ / Computer Vision.

- Built tool that allows tap-to-search on real, physical books in front of a camera
- Implemented finger-tap detection in OpenFrameworks
- #1 Pre-University Hack NUS HackNRoll, largest college hackathon in SG

Oct 2017 – **Photonify**, iOS / Computer Vision.

- Sept 2019
- iOS application for real-time photo composition guidance
  - Integrated Google's algorithm for image-rating (NIMA) into iOS app using CoreML
  - Winner of \$40,000 Most Creative Prize at SG Startup Weekend (550+ professional participants)

Jan 2020 **Fen.dir**, *Weekend hack*, Python.

- Python tool for finding best deals on online instrument marketplace. Used it to make >\$1000 in profit guitar-trading in 2 months

Aug 2017 **h=**, *Hackathon hack*, JS / AI.

- Built JS tool that aims to combat sexism in tech by allocating tasks in a company purely based on merit and skillset
- Codeathon 2017 Global Pre-University Winner

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## Technical Experience

Languages Python, Swift, C++, JavaScript

ML tools PyTorch, Keras, CoreML, spaCy

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## Volunteering / Organisational Experience

May 2020 **#codeForCorona**, *Lead Organiser*.

- Ran a virtual hackathon with 230+ signups and 50+ submitted projects. Collaborated with National Youth Council to provide winning teams with funding for their projects
- Featured in article by the *Straits Times* and interviewed for TV by *Channel News Asia*

Nov 2019 **YouthHacks**, *Lead Organiser*.

Started Singapore's largest pre-university hackathon with 180+ students competing from 50+ schools. Won \$5000 SG govt. "Young Changemakers" grant and raised support from Google, Major League Hacking, StartX, Reactor School

Nov 2018 **ideaHacks**, *Lead Organiser*.

Organised school's annual hackathon with 120 participants. Raised \$3000 in prizes and support from Temasek, Carousell, Acronis, Sodexo

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## Awards

**Computer Science academic award (#1 in class of >340), 2019 & 2020.**

**Philosophy academic award (#1 in class of >340), 2019 & 2020.**

**Academic achievement award (#1 rank in class across all subjects), 2018.**

**Google USD 100,000 subsidized cloud funding, February 2019.**

**IBM USD 12,000 subsidized cloud funding, February 2019.**