Arya Vohra

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Hi! I'm Arya. I'm currently looking for opportunities in computational linguistics research and Ethereum development.

Education

August 2018 | May 2020	**IB Diploma**, *UWCSEA*, Score: 45/45 | HL CS, HL Further Mathematics, HL Philosophy, HL Mathematics, *Singapore*.
	Deeplearning.ai certified neural-network specialist. Completed Chris Manning's NLP Course, Stanford CS231n, Stanford CS224.

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 – Sept 2020 — **Panko**, *Engineer, guide on advisory board*, JS, Socket.io.
- 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 – Sept 2019 — **Questo**, *Co-Founder*, Python backend / iOS / and ML.
- 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 – Present — **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 – Sept 2019 — **Photonify**, iOS / Computer Vision.
- 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

Technical Experience

Languages	Python, Swift, C++, JavaScript
ML tools	PyTorch, Keras, CoreML, spaCy

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

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*.