

Arya Vohra

Singapore
☎ +65 9012 0681
✉ arya.vohra04@gmail.com
🌐 aryavohra.com

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

Education

August 2016 **IB Diploma**, *UWCSEA*, Score: 45/45 | HL CS, HL Further Mathematics, HL
| May 2020 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

November 2016 – **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

April 2020 – **Kafka**, iOS / ML.

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

January 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

October 2017 **Photonify**, iOS / Computer Vision.

- Present ◦ 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)

January 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

- August 2017 **Hequals**, *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*
- November 2019 **YouthHacks**, *Lead Organiser*.
- 2019 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
- November 2018 **ideaHacks**, *Lead Organiser*.
- 2018 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.