

Brahmnoor S Chawla

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📧 Brahmnoor | 🌐 Brahmnoor | Devpost: Brahmnoor

EDUCATION

Princeton University, New Jersey, USA Jan - May 2019
Spring 2019 — Exchange, Computer Science
Cumulative GPA : 4.0 / 4.0

Relevant Coursework: Data Structures & Algorithms, Introduction to Machine Learning, Computer Networks

The University of Hong Kong, Hong Kong May 2021
Bachelor of Engineering, Computer Science
Cumulative GPA: 4.21 / 4.3 — Ranked 1/792 — Dean's Honours List

Relevant Coursework: Discrete Mathematics, **Functional Programming**, Calculus, Probability & Statistics, Full-stack Development (PHP, MySQL, Node, Express, Javascript), Linux Shell & Bash

EXPERIENCE

Google, Mountain View, California June 2019 - Sept 2019
Software Engineering Intern

- Working with the **YouTube Ads** team to create an **internal tool** which would help in running machine learning models on data for advertising, reducing time spent by software engineers by upto 95%.
- Developing an internal tool using **Angular**, **C++**, and **Spanner (distributed database)** which would let a client input request and automatically kick off multiple back-end data pipelines.

Princeton University, New Jersey Mar 2019 - May 2019
Research Assistant at Human-Computer Interaction Lab hci.princeton.edu/people/

- Worked as a research assistant at the **Human-Computer Interaction Lab**. Was primarily responsible for studying the usage of social media applications in 3rd world countries. Co-author of a research paper with Professor Marshini Chetty.

The University of Hong Kong, Hong Kong Mar 2018 - Mar 2019
Software Developer at TELI (20hrs/week) github.com/brahmnoor/

- Built reusable components from scratch to deployment, which are currently being used by over 28,000 students. Contributed to projects based on **Angular**, **Node**, **Express**, **Vue**, **Java**, and **React**.

The University of Hong Kong — *Teaching Assistant* Sept - Dec 2018
Computer Programming - Python (COMP1117), Algorithms & Computing (CCST9003)

PROJECTS

Highlight Reel — *HackRU Spring 2019 Winner* Mar 2019
devpost.com/software/highlight-reel

- Webapp that uses a **peak signal detection** algorithm to automatically pick out highlight moments in online livestreams based on the time-series of chat frequencies.

SELECTED ACHIEVEMENTS

- **HKU Foundation Scholarship (186,000HKD/year)** (Highest scholarship)
- **International Olympiad in Informatics** Training Camp (Top 0.01%)
- **ACM-ICPC** honourable mention in two continent regionals (China-Hong Kong)

LANGUAGES

C++, **Java**, **Javascript**, Haskell, OCaml

SOCIETIES

Change the Code (Gender Inclusion club in STEM) Co-founder, **Common Purpose Leadership** Development Program Alumni (held in Philippines over a month)