



Brahmnoor S Chawla

bchawla@princeton.edu | <https://brahmnoor.me> | +1 609-510-0911

 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 - 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 and internal tools** team to create a tool which would help in running machine learning models on data for advertising.
- Developing an **Angular** front-end and a **C++ back-end** for an internal tool which would let a client input request and automatically kick off multiple back-end pipelines.

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

- Working as a research assistant at the **Human-Computer Interaction Lab**, where I'm 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
Part-time 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), Internet & 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)