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 : 3.9 / 4*
Relevant Coursework: Data Structures & Algorithms, Introduction to Machine Learning, Computer Networks

                              * includes current semester courses (using mid-term scores)

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** from scratch which will improve the efficiency of running the internal models for better advertisement targeting.

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, Espress, 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)