# 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
**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*
- Would be working with the **YouTube and internal tools** team to create a tool which would help in running machine learning models on data for advertising.
- Would be developing an **Angular** based front-end and a **C++ back-end** for the tool.

**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*        *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, Vue, Java, and React**. Worked on projects from ground up built using Google Cloud APIs, Node, Express & Socket.

**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)