



# 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 - 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/](http://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/](https://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](https://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)