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 — 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
- Led a project and, developed & deployed code to Youtube Ad's distributed cloud computers (running Linux), to create a tool that increased **engineering productivity by upto 91%.**
- Developed an internal tool using **Typescript**, **Angular**, **C++**, and **Spanner** (distributed database) which would let a client input request and automatically kick off multiple back-end data pipelines to **backfill data for machine learning models**.

Princeton University, New Jersey   Mar 2019 - May 2019
Research Assistant at Human-Computer Interaction Lab   *hci.princeton.edu/people/*
- Worked with **huge amounts of data** to find out valuable information and trends about how social media applications are used in third world countries. Co-author of a research paper with Professor Marshini Chetty, to be published **in IMWUT 2019**.

The University of Hong Kong, Hong Kong   Mar 2018 - Mar 2019
Software Developer at TELI (20hrs/week)   *github.com/brahmnoor/*
- Built reusable web 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. Built using **Python, Javascript and Material UI.**

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)