Brahmnoor Chawla

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 Brahmnoor | Brahmnoor | Devpost: Brahmnoor

EDUCATION

Drexel University, College Of Computing and Informatics — Pennsylvania
Bachelor of Science (Honors), Computer Science — May 2021

Princeton University — New Jersey
Exchange - Bachelor of Science, Computer Science — Jan - May 2019

The University of Hong Kong — Hong Kong
Bachelor of Engineering, Computer Science — Sept 2017 - Dec 2018

Cumulative GPA: 4.0 / 4.0

Selected Coursework (IP = In Progress)

Algorithms	Machine Learning	Computer Networks
Functional Programming	Data Structures	Discrete Structures
Operating Systems (IP)	System Architecture (IP)	Concurrent Programming (IP)

EXPERIENCE

Google, Mountain View, CA — June 2019 - Sept 2019
Software Engineering Intern
- Developed an internal tool in form of a dashboard for YouTube's advertising team to track data backfill tasks for the targeting and ML team, which improved engineering **productivity by upto 91%**.
- Revamped the user date & profile pipeline by adding a new testing phase which reduced **computing resources from being wasted by upto 72 hours**.
- Worked with **C++**, **Typescript**, **Angular**, **Java** and **Spanner** (distributed database).

The University of Hong Kong, Hong Kong — Mar 2018 - Mar 2019
Software Developer at TELI (20hrs/week) — *github.com/brahmnoor/*
- Built **educational web apps from scratch to deployment**, which are currently being used by over 28,000 students.
- Improved **accessibility of web apps**, by adding voice to text (using Google Cloud APIs), which **increased user engagement by 23%**.
- Contributed to projects based on **Node, Express, Java, and React**.

Princeton University, New Jersey — Mar 2019 - May 2019
Research Assistant at Human-Computer Interaction Lab — *hci.princeton.edu/people/*
- Collaborated with multiple key players, and conducted user surveys 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 — *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 made beautiful with Material UI.**

ACHIEVEMENTS

- **International Olympiad in Informatics 2016** - among the top 25 students (in India region)
- **ACM-ICPC**, Honourable Mention - Regionals (China-Hong Kong)
- **Research Grant by Government of India**, Kishore Vaigyanik Protsahan Yojana (Given to top 0.01% students in India)

LANGUAGES

C/C++, **Java**, **Javascript**, **Python**, Haskell, OCaml