

Brahmnoor Chawla

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📧 Brahmnoor | 🌐 Brahmnoor | Devpost: Brahmnoor

EDUCATION

Drexel University, College Of Computing and Informatics
Bachelor of Science, Computer Science

Pennsylvania
May 2021

Princeton University
Exchange - Bachelor of Science, Computer Science

New Jersey
Jan - May 2019

The University of Hong Kong
Bachelor of Engineering, Computer Science

Dean's List
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
Software Engineering Intern
YouTube Ads

Mountain View, CA
June 2019 - Sept 2019

- Developed an internal tool for YouTube's advertising team to track data backfill tasks for the targeting and ML team, which **improved engineering productivity by upto 91%**.
- Improved 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**, and **Spanner** (distributed database).

Princeton University, New Jersey
Research Assistant at Human-Computer Interaction Lab

Mar 2019 - May 2019
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
Software Developer at TELI (20hrs/week)

Mar 2018 - Mar 2019
github.com/brahmnoor/

- Built reusable educational web apps from scratch to deployment, which are currently being used by over 28,000 students, and have been deployed to cloud clusters on AWS. Contributed to projects based on **Angular**, **Node**, **Express**, **Vue**, **Java**, and **React**.

The University of Hong Kong — *Teaching Assistant*
Computer Programming - Python (COMP1117), Algorithms & Computing (CCST9003)

Sept - Dec 2018

PROJECTS

Highlight Reel — *HackRU Spring 2019 Winner*
devpost.com/software/highlight-reel

Mar 2019

- 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**