Brahmnoor S Chawla

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 Brahmnoor | Brahmnoor

EDUCATION

Princeton University, New Jersey, USA   Jan - May 2019
Semester 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 (Haskell)**, Calculus, Probability & Statistics, Full-stack Development (PHP, MySQL, Node, Express, Javascript), Linux Shell & Bash

EXPERIENCE

Princeton University, New Jersey   Jan 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.
- Analysing 100s of written interviews to understand how UI/UX relates to the **privacy settings** used by people on social media applications.

The University of Hong Kong, Hong Kong   Mar 2018 - Present
Research Assistant (Developer) at TELI   *github.com/brahmnoor/*
- Developed a speech detection web app from ground up, using **Google Cloud Speech API** based on **NodeJS, Express & SocketIO**. Worked with web **AudioContext** to provide audio recording compatibility across multiple browsers.
- Working extensively in multiple teams as a **software development engineer**, building reusable components from scratch to deployment, which are currently being used by over 28,000 students. Contributing to projects based on **Angular, Vue, and React**.

The University of Hong Kong, Hong Kong   Sept - Dec 2018
Teaching Assistant
- Worked as a teaching assistant for the courses **Everyday Computing & Internet** and **Computer Programming**, helping with over 150 students bi-weekly.
- Solved & set hard computer science problems in **Dynamic Programming, Graph Theory, Discrete Math and Advanced Data Structures**.

SELECTED ACHIEVEMENTS
- **HKU Foundation Scholarship (186,000HKD/year)** (Highest scholarship)
- **International Olympiad in Informatics** Training Camp (Among top 25 Students in India)
- **ACM-ICPC Honourable Mention** in two **regionals (China-Hong Kong)**
- Kishore Vaigyanik Protsahan Yojana Research Scholarship (Given by Indian Government to just 0.01% of students)
- **HKSAR Gov. Reaching Out Award**, to visit **Korea Advanced Institute of Science and Technology (KAIST)** for one month & undertake courses in CS

LANGUAGES & TOOLS

C++, **Java**, **Javascript**, **Haskell**, Python, PHP, HTML/CSS, Git, NodeJS, Express, ReactJS, ReactNative

SOCIETIES

Change the Code (Gender Inclusion club in STEM) Co-founder, Editor in Media Team at University, Vice-Captain Tennis Team, **Common Purpose Leadership** Development Program Alumni (held in Philippines over a month)