Brahmnoor S Chawla

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 Brahmnoor | Brahmnoor

EDUCATION	**Princeton University**, New Jersey, USA	Jan-June 2019
	Semester Exchange, Computer Science	

The University of Hong Kong, Hong Kong — May 2021
Bachelor of Engineering, Computer Science
Cumulative GPA: 4.19 / 4.3
Relevant Coursework: Discrete Mathematics, Functional Programming (Haskell), Data Structures & Algorithms, Calculus, Probability & Statistics, Full-stack Development (Node, Express, Javascript)

EXPERIENCE

The University of Hong Kong, Hong Kong — Mar 2018 - Aug 2018
Research Assistant at TELI — *github.com/brahmnoor/text2speech*

- Developed a speech detection web app using **Google Speech API** based on **NodeJS, Express & SocketIO**. Worked with web **AudioContext** to provide audio recording compatibility across multiple browsers.
- Worked extensively as a research assistant on multiple projects, building reusable components from scratch to deployment, which are currently being used by over 28,000 students.

The University of Hong Kong, Hong Kong — Sept 2018 - Present
Teaching Assistant

- Working as a teaching assistant for the courses **Everyday Computing & Internet** and **Computer Programming**, helping over 150 students.
- Teaching theoretical Computer Science topics including Dynamic Programming, Graph Theory, Discrete Math and Advanced Data Structures.

SmallMinds.Expert, Hong Kong — Jan-Mar 2018
Part-Time Machine Learning Intern

- Developed an app using **TensorFlow** to detect cloths in videos. Worked with **Python & Unity** for the implementation of the model.
- Helped improve the accuracy of the model by over **10%**, and improved user retention.

SELECTED ACHIEVEMENTS

- **HKU Foundation Scholarship (186,000HKD/year)** (Highest scholarship offered to undergraduate students)
- **International Olympiad in Informatics** Training Camp (Among top 25 Students in India)
- **ACM-ICPC**, Represented **University of Hong Kong** in China Regionals
- 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, Vice-Captain Tennis Team