Brahmnoor S Chawla

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EDUCATION

Princeton University, New Jersey, USA   Jan - June 2019
Semester Exchange, Computer Science
Relevant Coursework: Data Structures & Algorithms, Computer Organisation, Computer Networks, Graph Theory

The University of Hong Kong, Hong Kong   May 2021
Bachelor of Engineering, Computer Science
Cumulative GPA: 4.21 / 4.3
Relevant Coursework: Discrete Mathematics, Functional Programming (Haskell), Calculus, Probability & Statistics, Full-stack Development (PHP, MySQL, Node, Express, Javascript), Linux Shell & Bash

EXPERIENCE

The University of Hong Kong, Hong Kong   Mar 2018 - Present
Research Assistant at TELI   *github.com/brahmnoor/text2speech*
- Developed a speech detection web app from ground up, using **Google Speech API** based on **NodeJS, Express & SocketIO**. Worked with web **AudioContext** to provide audio recording compatibility across multiple browsers.
- Worked 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.

The University of Hong Kong, Hong Kong   Sept - Dec 2018
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 clothes 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, and overall profit by over **15%**.

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 Honourable Mention** in two **Continental** 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 at University, Vice-Captain Tennis Team, **Common Purpose Leadership** Development Program Alumni (held in Philippines over a month)