



# Brahmnoor S Chawla

brahm@connect.hku.hk | <https://brahmnoor.me> | +852-69985663

 Brahmnoor |  Brahmnoor

EDUCATION	<b>Princeton University</b> , New Jersey, USA <i>Semester Exchange</i> , Computer Science	Jan-June 2019
	<b>The University of Hong Kong</b> , Hong Kong <i>Bachelor of Engineering</i> , Computer Science Cumulative GPA: 4.19 / 4.3 <b>Relevant Coursework:</b> Discrete Mathematics, Functional Programming (Haskell), Data Structures & Algorithms, Calculus, Probability & Statistics, Full-stack Development (Node, Express, Javascript)	May 2021
EXPERIENCE	<b>The University of Hong Kong</b> , Hong Kong <i>Research Assistant at TELI</i>	Mar 2018 - Aug 2018 <a href="https://github.com/brahmnoor/text2speech">github.com / brahmnoor / text2speech</a>
	<ul style="list-style-type: none"><li>Developed a speech detection web app using <b>Google Speech API</b> based on <b>NodeJS</b>, <b>Express</b> &amp; <b>SocketIO</b>. Worked with web <b>AudioContext</b> to provide audio recording compatibility across multiple browsers.</li><li>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.</li></ul>	
	<b>The University of Hong Kong</b> , Hong Kong <i>Teaching Assistant</i>	Sept 2018 - Present
SELECTED ACHIEVEMENTS	<ul style="list-style-type: none"><li>Working as a teaching assistant for the courses <b>Everyday Computing &amp; Internet</b> and <b>Computer Programming</b>, helping over 150 students.</li><li>Teaching theoretical Computer Science topics including Dynamic Programming, Graph Theory, Discrete Math and Advanced Data Structures.</li></ul>	
	<b>SmallMinds.Expert</b> , Hong Kong <i>Part-Time Machine Learning Intern</i>	Jan-Mar 2018
	<ul style="list-style-type: none"><li>Developed an app using <b>TensorFlow</b> to detect cloths in videos. Worked with <b>Python</b> &amp; <b>Unity</b> for the implementation of the model.</li><li>Helped improve the accuracy of the model by over <b>10%</b>, and improved user retention.</li></ul>	
LANGUAGES & TOOLS	<ul style="list-style-type: none"><li><b>HKU Foundation Scholarship (186,000HKD/year)</b> (Highest scholarship offered to undergraduate students)</li><li><b>Finalist</b>, International Olympiad in Informatics</li><li><b>ACM-ICPC</b>, Represented <b>University of Hong Kong</b> in China Regionals</li><li>Kishore Vaigyanik Protsahan Yojana Research Scholarship (Given by Indian Government to just 0.01% of students)</li><li><b>HKSAR Gov. Reaching Out Award</b>, to visit Korea Advanced Institute of Science and Technology (KAIST) for one month &amp; undertake courses in CS</li></ul>	
	<b>C++</b> , <b>Java</b> , <b>Javascript</b> , <b>Haskell</b> , Python, PHP, HTML/CSS, Git, NodeJS, Express, ReactJS, ReactNative	
SOCIETIES	<b>Change the Code</b> (Gender Inclusion club in STEM) Co-founder, Editor in Media Team, Vice-Captain Tennis Team	