Brahmnoor S. Chawla

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EDUCATION

PRINCETON UNIVERSITY
SEMESTER EXCHANGE
Spring 2019 - Computer Science

THE UNIVERSITY OF HONG KONG
B ENG IN COMPUTER SCIENCE
Expected May 2021 | Hong Kong
Year 2 - Faculty of Engineering
Cum. GPA: 4.19/4.3
Dean's Honor List

DELHI PUBLIC SCHOOL
CBSE SCIENCE STREAM
Grad. May 2016 | New Delhi, India
12th Std CBSE Board : 97.4 %
TOEFL 2018 IBT : 115/120
CGPA (10th Std) : 10/10

LINKS

Github:// **brahmnoor**
LinkedIn:// **brahmnoor**
Twitter:// **@brahmnoorsingh**
Quora:// **Brahmnoor-Singh**

COURSEWORK

Year 2 (in progress):
• Data Structures and Algorithms
• Programming Technologies and Tools (**Shell scripts & OOP**)
• Computer Organization
• **Functional Programming**
• **Full-stack** Web Development
Year 1:
• Discrete Mathematics
• Introduction to CS - **Graphs, Algorithms & Cryptography**
• Computer Programming - Basic Data Structures and Algorithms (C++)
• Calculus & Differential Equations
• Linear Algebra, Prob. & Statistics
• Physics for Engineering Students

SKILLS

PROGRAMMING
Over 1000 lines:
C • C++ • Python • PHP • Javascript
Familiar:
iOS • Android • MySQL • Haskell •Git

WORK EXPERIENCE

THE UNIVERSITY OF HONG KONG | RESEARCH ASSISTANT AND TEACHING ASSISTANT
Mar 2018 - Present | Hong Kong
• Currently working as a **Teaching Assistant** for the courses CCST9003 and COMP1117, helping students understand **commonly-used algorithms**, and implementing them in C++ (class size of **150 students each**).
• Worked as a **Research Assistant** with Teli (Technology Enriched Learning Initiative) in HKU. Developed a speech detection web app using **NodeJS, Express, SocketIO and Google Cloud Speech API**.

SMALLMINDS.EXPERT | MACHINE LEARNING - PART TIME INTERN
Jan - Mar 2018 | Hong Kong
• Developed a machine learning application using **TensorFlow** for detecting cloths live during a fashion show via camera on **Android**. Worked with **Unity, Python and TensorFlow** to develop and implement this model.
• Worked on the project worth over **80,000HKD**, and helped improve performance, resulting in **25% more user retention** and click-through rates.

EXTRA COURSEWORK

KAIST | INTERNATIONAL SUMMER SCHOOL
July 2017 | Daejeon, South Korea
• Attended summer school with **students from top universities around the world**, and achieved **rank 1** in discrete mathematics course.
• Participated in **various cultural immersion activities** around Korea and experienced **computer graphics research** first-hand in KAIST.

LEADERSHIP PROGRAM | BY COMMON PURPOSE
June 2018 | Manila, Philippines
• Attended **4 weeks of leadership development workshops by** Common Purpose and participated in **group discussions with top executives** in Manila.
• Did an internship in Solutions Using Renewable Energy (Sure Inc), where I did market research for a product having **over 200 participants**.

CHENNAI MATHEMATICAL INSTITUTE | INTERNATIONAL OLYMPIAD IN INFORMATICS
March 2017 | Chennai, India
• Worked on hard algorithmic problems with the **top 25 computer science students** from all over India.
• Was mentored by the **best professors in Computer Science** and worked on reducing the **time complexity** of competitive programming problems.

AWARDS

Year	Level	Award
2017	University	HKU Entrance Scholarship (**186,000HKD/year**)
2017	International	**International Olympiad in Informatics** (IOI) Finalist
2016	National	**KVPY** Fellow for Research (Awarded to 0.01% students)

SOCIETIES

Year	Level	Society
2018	International	ACM-ICPC Competitive Programming Team (**of HKU**)
2018	University	Change the Code (**Gender Inclusion Club**) - Co-Founder
2018	University	Shun Hing College - Media Team - Editor
2018	University	**Software Developer** - TecHKU