

Brahmnoor S. Chawla

<https://brahmnoor.me>
brahm@connect.hku.hk | (+852) 6998.5663

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 clothes 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

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

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