

# 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 Organisation
- Functional Programming
- Full-stack Web Development

Year 1:

- Discrete Mathematics
- Introduction to CS - Graphs, Algorithms & Cryptography (Python)
- Computer Programming - Basic Data Structures and Algorithms (C++)
- Calculus & Differential Equations
- Everyday Computing and Internet
- Linear Algebra, Prob. & Statistics
- Physics for Engineering Students

## SKILLS

### PROGRAMMING

Over 1000 lines:

C • C++ • Python • PHP • Javascript

Familiar:

iOS • Android • MySQL • Haskell

## 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++.
- Worked as a RA 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.

### PROJECT - WORDYO.GA | PHP AND JAVASCRIPT BASED WEB GAME

- Developed the game from scratch in PHP, CSS3, Javascript and HTML5.

## EXTRA COURSEWORK

### KAIST | ATTENDED SUMMER SCHOOL - DISCRETE MATHEMATICS

July 2017 | Daejeon, South Korea

- Did Discrete Mathematics at KAIST (University ranked number 1 in South Korea), and achieved the first rank in the class getting an A+ in the course.

### LEADERSHIP DEVELOPMENT PROGRAM | 30 DAY PROGRAM IN THE PHILIPPINES BY COMMON PURPOSE

June 2018 | Manila, Philippines

- Attended over 4 weeks of leadership workshops by Common Purpose, and then did an internship in Solutions Using Renewable Energy (Sure Inc).

### CHENNAI MATHEMATICAL INSTITUTE | ATTENDED IOI TRAINING CAMP

March 2017 | Chennai, India

- The coursework included algorithmic training by the top Computer Science, and Mathematics professors from all over India, for 15 days.

## AWARDS

2017	University	HKU Foundation Entrance Scholarship
2017	International	International Olympiad in Informatics (IOI) Finalist
2016	National	KVPY Fellow for Research (Awarded to 0.01% students)
2015	National	Ranked 7th all over India in National Cyber Olympiad

## SOCIETIES

2018	University	ACM-ICPC Programming Contest - Represented HKU Worldwide
2018	University	Change the Code (Gender Inclusion Club) - Vice President
2018	University	Shun Hing College - Media Team - Editor
2017	University	Software Developer - TechKU
2017	University	Shun Hing College - Tennis Team