

# Sanchez, Bryce Ainsley Ang

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Seeking a May-July 2023 internship

## Education

### National University of Singapore

BACHELOR OF COMPUTING (HONOURS) IN COMPUTER SCIENCE

GPA: 4.73/5.0 (Honors, Highest Distinction) ([Link to Unofficial Transcript](#))

Singapore, Singapore

August 2021 – June 2025

## Work Experience

### National University of Singapore

TEACHING ASSISTANT FOR CS1231S DISCRETE STRUCTURES

- Teach a class of 20 students in weekly 2 hr tutorials and grade homeworks. Topics include logic, proof techniques, relations, functions, partial orders, graphs and trees, cardinality, etc.

Singapore, Singapore

August 2022 – November 2022

## Skills

### Programming Languages:

Python (8.5k LoC), Java (2k LoC), C# (1.5k LoC), C, SQL

### Data Structures and Algorithms:

Arrays, Dictionaries, Hashing, AVL trees, BFS and DFS, Dynamic Programming, etc.

### Miscellaneous Skills:

Vim, Basic LaTeX, Basic Command Line Interface

### Soft Skills:

Teamwork, Problem Solving, Critical Thinking, etc.

## Projects

### CavernChef

TECH STACK: UNITY, C

A ROGUE-LIKE TOWER DEFENSE GAME WITH A VARIETY OF TOWERS, UPGRADES, AND ENEMIES. I MAINLY WORKED ON TOWERS, PROJECTILES, AND ENEMIES. COMPLETED WITH KEVIN TJAN, WHO OWNS THE GITHUB REPOSITORY.

<https://github.com/Nephelite/CavernChef>

May 2022 - July 2022

### Discord Bot

TECH STACK: PYTHON

A PERSONAL DISCORD BOT WITH A FEW BASIC COMMANDS.

<https://github.com/Bryce-3D/Discord-Bot>

August 2022, December 2022

## Honors and Awards

Ongoing	<b>Codeforces Expert Rating (Maximum of 1870)</b> , Codeforces is a well-known competitive programming site. I currently use Python when I compete. <a href="#">CF Profile Page</a>	Codeforces
2022	<b>Top Students for CS2040S Data Structures and Algorithms, NUS</b> , <a href="#">Certificate</a>	NUS
2022	<b>Top Students for CS1231S Discrete Structures, NUS</b> , <a href="#">Certificate</a>	NUS
2019 - 2021	<b>International Mathematical Olympiad - 1 Silver Medal, 2 Bronze Medals</b> , The International Mathematical Olympiad (IMO) is the World Championship Mathematics Competition for High School students and is held annually in a different country. <a href="#">My IMO participant page</a> .	IMO
2019, 2021	<b>Asian Pacific Mathematical Olympiad - 1 Bronze Medal, 1 Honorable Mention</b> , The Asian Pacific Mathematics Olympiad (APMO) is a mathematical competition for countries in the Pacific-Rim Region (did not join in 2020 due to covid). <a href="#">APMO Website</a>	APMO
2019 - 2021	<b>Philippine Mathematical Olympiad - 3 National Champions</b> , The Philippine Mathematical Olympiad (PMO) is the oldest and most prestigious nationwide mathematics competition among secondary school students in the Philippines. <a href="#">Results of previous PMOs</a>	PMO
2021	<b>National Olympiad in Informatics Philippines - Top 30 in National Eliminations</b> , The National Olympiad in Informatics – Philippines (NOI.PH) is an annual programming contest for Filipino high school students. <a href="#">NOI.PH 2021 National Eliminations Results</a>	NOI.PH
2018 - 2021	<b>Iranian Geometry Olympiad - 3 Silver Rulers, 1 Bronze Ruler</b> , The "Iran Geometry Olympiad" was launched by a group consisting of activists of the Mathematical Olympiad in Iran. <a href="#">IGO Website</a>	IGO
2018 - 2020	<b>European Mathematical Cup - 1 First Prize + Top Scorer, 1 Second Prize, 1 Third Prize</b> , The European Mathematical Cup (abbr. EMC) is a high school mathematics competition organized by the Croatian association Young Gifted Mathematicians Marin Getaldić. <a href="#">EMC Website</a>	EMC