

## DANIEL L. BRAGA

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### ACADEMICS

Princeton University, Princeton, NJ

Class of 2020

- B.S.E, Computer Engineering; GPA: 3.77
- Relevant coursework: Theory of Algorithms; Computer Graphics; Topics in Extremal Combinatorics; Data Structure and Algorithms; Machine Learning & Pattern Recognition; Functional Programming

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### AWARDS/HONORS

- International Mathematics Olympiad – 3 silver medals (2014, 2015, 2016)
- 3<sup>rd</sup> place at Citadel's East Coast Data Open (2018)

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### EXPERIENCE

Princeton Vision & Learning Lab, Princeton, NJ

Summer 2019

*Research Assistant*

- Analyzed the efficiency of self-supervised methods in computer vision standard tasks.
- The project was coded in Python using Pytorch to create and manipulate the neural networks.

Professor Marshini Chetty, Princeton, NJ

Summer 2018

*Independent Work*

- Advised by professor Chetty, I worked on an educational app to teach children about cyberbullying.
- The app is a combination of a CYOA story with a mini-game.
- The project was designed for use in iPads and coded in Swift.

Princeton Alumni Search and Statistics, Princeton, NJ

Spring 2018

*Team Member*

- Worked on a team of 5 people to create a website to search for Princeton Alumni. The website provides tools to analyze where certain groups of alumni generally go to work after graduation.
- Used the pandas in python to clean and format the data that the Princeton administration provided.

Princeton University, Princeton, NJ

2017-2018

*Teaching Assistant*

- Worked for a year in a class about discrete math called COS 340.
- Had office hours to help students with concepts in the class and graded students' homework and exams.

International Mathematics Olympiad, Rio de Janeiro, Brazil

July 2017

*Coordinator*

- Graded math papers of students from 14 different countries in over 5 languages.
- Worked with leaders of the delegations from each country to finalize scores.

Farias Brito High School, Fortaleza, Brazil

2015-2016

*Math Teacher*

- Prepared students in 6<sup>th</sup> to 11<sup>th</sup> grade for national and international math competitions.

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SKILLS

- Programming Languages: Java, Python, Swift, C, OCaml