

Ryan J. Yu

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EDUCATION

Boston University, Boston, MA May 2024
PhD Candidate in Computer Science

Colgate University, Hamilton, NY August 2014 - May 2018
Bachelor of Arts: Computer Science, and Neuroscience

- Computer Science Major GPA: 3.86/4.0
- Dean's award for academic excellence Spring 2015 – Spring 2018

Relevant courses

- Data Structures, Computer Organization, Operating Systems, Discrete Structures, Algorithms, Software Engineering, User Centered Design, Compressed Sensing, Game Theory, Machine Learning, Databases and Data Mining

SKILLS/STRENGTHS

- Programming Languages: Python, Java, C, SQL, Ruby, HTML, Javascript, CSS
- Software: Advanced Microsoft Office, Proficient InDesign
- Relevant Projects: Madison County Gives Website, EEG Controlled Prosthetic Hand

RELEVANT EXPERIENCE

Teaching Fellow, *Boston University Computer Science Department*, Boston, MA Fall 2018 - Spring 2019

- Lead and instruct lab sections for CS 112 (Introduction to Computer Science II) and CS 105 (Introduction to Database and Data Mining) in order to help students reinforce materials covered in lecture.
- Organized and graded student scores

Teaching Assistant, *Colgate Computer Science Department*, Hamilton, NY Spring 2017 – Spring 2018

- Assist students in lower level computer science courses with lab and classwork, by helping them refine their solutions to problems, in order to help them gain knowledge and confidence for materials learned in the classroom
- Act as a liaison between CS department and incoming students, through reaching out and establishing personal relationships, ultimately aiming to ensure healthy numbers of new CS majors each year.

Research Assistant, *Colgate Neuroscience Department*, Hamilton, NY Spring 2016 - Spring 2018

- Prepare and monitor EEG machine for both student and professor research on the low level visual system in order to ensure efficient and accurate data collection
- Organize research space to ensure productive environment and gain deep insight into research grade tools' applications and limitations

WORK EXPERIENCE

Assistant Teacher and Counselor, *Yleana Leadership Academy*, Hamilton, NY Summers 2015, 2016, 2018

- Counseled and taught two sessions of 40 inner-city youth in preparation for the SAT as well as offered additional support post-program in the form of refresher courses in their home cities
- Shared connections of university admissions officers, and experiences of the college application process to better prepare students to be accepted into college

COLGATE ACTIVITIES

President, *Tea Club*, Hamilton, NY Fall 2014 – Spring 2018

- Prepare and serve a variety of traditional Chinese tea as well as teach and instruct interested members on the tea ceremony and basic information about the production of tea leaves
- Put together budget plans, create proposals, and apply successfully to the Budget Allocation Committee for over \$2000, in sum, that was spent on replenishing tea stocks and preparing for campus events