

EDWARD YAO

4833 Hinman Box • Dartmouth College • Hanover, NH 03755 • (603)-277-0295 • Edward.C.Yao.19@dartmouth.edu

EDUCATION

- 2015-2019** **Dartmouth College, Hanover, New Hampshire** **GPA 3.78/4.00**
Bachelor of Arts: Major in Computer Science, Major in Economics
Relevant coursework: Algorithms, Discrete Math for Computer Science, Problem Solving via Object Oriented Programming, Introduction to Programming and Computation, Computer Architecture, Software Design and Implmenetation
- 2011-2015** **Iowa City West Senior High School, Iowa City, Iowa** **GPA 4.00/4.00**

EXPERIENCE

- 2017-** **Research Assistant, Dartmouth-Hitchcock Medical Center**
• Conducting research between 5-10 hours per week on substance use disorders via image processing techniques related to machine learning/deep learning
- 2016-2017** **Computer Science 001/010 Teaching Assistant, Dartmouth College**
• Led one recitation section per week (1 hour/week), reviewed covered in class and drilled students through exercises
• Staffed section hours (4-5 hours/week), helped students with assignments and understanding of course materials
• Graded students' midterms and finals, helped produce solution keys for several exams
- 2016** **Software Development Intern at Educatrium, Seoul, South Korea**
• Developed frontend (Angular.js) and helped engineer backend (Ruby on Rails) for new web platform for college-admissions mentoring in Asia
• Oversaw initial wave of application activity, worked with marketing to ensure clients were able to navigate and successfully use the application.
- 2015** **Software Development Intern at Mazira, Iowa City, Iowa**
• Worked with senior programmers on the front-end (Clojurescript/React.js) and back-end (Node.js) of GoldFynch.com
• Independently developed an application, based on a Java visual recognition library, to test GoldFynch's uploads and processing of around 100 MB per day of different text, email, and other data related formats
- 2016** **Dartmouth Tutor Clearinghouse Computer Science 1 Tutor**
• Spent 3 hours a week working through labs, writing example problems, and examining practice tests with students

DISTINCTIONS

- 2015** **U.S. Presidential Scholar**
• One of 141 high school seniors in 2015 to be recognized in Washington D.C.
- 2015** **National Merit Scholar**

PUBLICATIONS

- 2014** **Yao, E. C., & Xue, L. (2014). *Therapeutic Effects of Curcumin on Alzheimer's Disease. Advances in Alzheimer's Disease*, 3(04), 145-159.**