

Jacob Carlson

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EDUCATION

Yale University, New Haven, CT

- Prospective B.S. in Cognitive Science, expected May 2020; GPA: 3.89
- *Relevant Coursework*: Linear Algebra, Microeconomics, Copyright Law, Sociology, Physics, Political Philosophy

Robert E. Fitch High School, Groton, CT

- International Baccalaureate Diploma, May 2016; GPA: 4.3/4.3
- *Class Rank*: 1/248 (Valedictorian)
- *Activities*: Class President (Four Terms), Varsity Tennis Team (Captain), Math Team (Captain), Board of Edu. Liaison, 'More Than Words' Diversity Coalition
- *Awards*: Governor's Scholar, Harvard Book Award, CT General Assembly Award, CIAC Male Scholar-Athlete

EXPERIENCE

Office of U.S. Senator Richard Blumenthal, Hartford Intern, Summer 2016

- Studied immigration policies
- Completed immigration casework on behalf of constituents in Connecticut
- Discussed policy issues and concerns with constituents

Yale-New Haven Hospital Junior Board, Member, Fall 2014–Summer 2016

- Raised over \$4000 in three years for the Yale-New Haven Children's Hospital
- Helped design, organize, and implement fundraising and outreach events

Yale University Department of Astronomy, Research Assistant, Fall 2014–Winter 2015

- Conducted photometric research on galactic cosmology (interacting void galaxies) under Dr. Louise Edwards
- Devised a compendium of galaxy cluster information as a field research reference

Boston University Center for Space Physics, Research Intern, Summer 2015

- Developed an analytical solution for a mathematical model describing meteoroid ablation under Dr. Meers Oppenheim
- Identified a long-standing misprint in a seminal Soviet astrophysics paper

ACTIVITIES

Yale Debate Association, Public Relations Manager/Webmaster, Fall 2016–Present

- One of 19 first-year debaters selected from a pool of over 130 students
- Named 2nd novice speaker at Fordham debate competition (out of 88 novices)
- Assistant Tournament Director for the Osterweis Cup Debate Tournament (2017)

iOS App Design, Developer, Spring 2015–Present

- Developed graphing calculator application available on Apple App Store, *Calcul8R*

SKILLS

Languages: Advanced French

Programming Languages: Swift (iOS/OSX), Python, HTML&CSS, IDL

Software: Image Reduction and Analysis Facility (IRAF), Xcode