

Drew Pendergrass

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Education

- **Harvard University** Cambridge, MA
GPA: 4.0; AB candidate in Physics and Mathematics Anticipated May 2020
 - 2018 NOAA Ernest F. Hollings Scholarship; 2018 Jacob Wendell Scholarship Prize for “most promising and broad-ranging scholar in his or her class;” 2018 Detur Book Prize; 2017 John Harvard Scholarship; 2017 Harvard College Veritas award
 - Member of the Harvard Machine Intelligence Community, focusing on environmental data analysis
- **Huntsville High School** Huntsville, AL
GPA: 4.43 May 2016
 - 2016 National Merit Scholarship; 2016 National Courage in Student Journalism award

Research Experience

- **Tai Group for Atmosphere-Biosphere Interactions** Shatin, Hong Kong
Undergraduate Research Assistant for Amos Tai June 2018 – August 2018
 - Use techniques from topological data analysis and manifold learning to understand nonlinear interactions between ozone, meteorology, and the biosphere
 - Funded by the Harvard-China Project on Energy, Economy and Environment
- **Atmospheric Chemistry Modeling Group** Cambridge, MA
Undergraduate Research Assistant for Daniel Jacob Dec. 2016 – Present
 - Study the relationship between Chinese weather patterns and pollution accretion; research paper “Predicting the impact of climate change on severe Beijing winter haze through extreme value theory” under review
 - Funded by three semester-long research grants as a Harvard College Research Program fellow (HCRP) and one summer 2017 fellowship in the Harvard Program for Research in Science and Engineering (PRISE)
- **Radcliffe Institute for Advanced Study** Cambridge, MA
Radcliffe Research Partner for Anthony Tan Sep. 2016 – May 2017
 - Used Max for Live, Ableton, and other audio software to engineer computer systems capable of processing original musical compositions in a live May 2017 concert
 - Designed high-speed algorithms for delay, granular synthesis, and distortion of live audio signals, mixed on stage during the performance

Work Experience

- **Harvard Crimson** Cambridge, MA
Associate Editor and Magazine Comp Director Sep. 2016 – Present
 - Conduct interviews, study archives, and work with teams of editors to write, edit, and publish weekly in-depth articles relevant to the Harvard community
 - Teach new writers about journalism and magazine writing as “comp director”
- **Harvard Political Review** Cambridge, MA
Publisher (formerly Associate U.S. Politics Editor) Dec. 2016 – Present
 - Responsible for the HPR’s quarterly print magazine, website, podcast, and data journalism initiative
 - Edited several articles per week as Associate U.S. Politics Editor, and managed largest section of the HPR
 - Most popular writer in HPR history, with over 500,000 total views and 40,000 Facebook likes on articles

Skills

Technical: Advanced: Java, L^AT_EX, R **Intermediate:** Python, Mathematica, Matlab, JavaScript, HTML/CSS **Basic:** PHP, Unix, Fortran.

Music: Finale, Audacity, Ableton for Live, Max for Live, ProTools, audio engineering

Other: InDesign, Photoshop, reading proficiency in French