

Tyler Joseph Stern

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Education

Emory University, Atlanta, GA

Bachelor's of Science in Applied Physics, May 2016

Cumulative GPA: 3.90/4.00, Major GPA: 3.88/4.00

Relevant Coursework

- Advanced Undergraduate Laboratory
- Differential Equations
- Paris is an Explanation
- Digital Electronics
- Multivariable Calculus
- Green Business
- Analytical Mechanics

Work Experience

June 2016

Emory University Office of Residence Life, Atlanta, GA

Residence Life Fellow – Digital Strategy and Sustainability

Spearhead organizational management, content development, and final implementation of Housing Operations & Residence Life's new website on the Cascade template. Successfully earned a silver ranking as a "Green Office" and won a \$1,500 grant to implement biophilic projects. Designed "digital bulletin boards" infrastructure for digital signage in residence halls.

Aug 2013 –
May 2016

Emory University Residence Life and Housing, Atlanta, GA

Resident Advisor, Sophomore Advisor

Created a home for 260 first-year students and collaborated with staff to build community within ResHall. Trained weekly in leadership and ethics to learn team-building tactics, conflict resolution strategies, & personal development models. Conceived & organized 2 Academic Engagement events at Fernbank Planetarium attended by over 200 first-year students.

May 2015 –
Aug 2015

Emory University Office of Sustainability Initiatives, Atlanta, GA

General Intern

Constructed an HTML Sustainability Report that highlighted the office's achievements over its 10-Year history. Built a new interactive sustainability map using the Leaflet Javascript framework and university GeoJSON data. Created prototypes for a mobile first, web-based sustainability pledge and an updated sustainability dashboard.

May 2015 –
Aug 2015

Emory University Office of Housing Operations, Atlanta, GA

Graphic Design Intern

Forged partnership with Barnes & Noble to publicize my designed "Sustainable Move-In List" and infographics to communicate pertinent information about sustainable products. Boosted sustainability awareness by strategically placing "Sustainability Oak Leafs" vinyl stickers around campus to designate hydration stations and other features.

Apr 2013 –
July 2014

Fernbank Science Center, Atlanta, GA

Astronomy Assistant

Crafted 21 children's and public planetarium shows, including narrative tours of the night sky, each week. Taught attendees about noteworthy constellations, stars and relevant astronomical phenomena. Operated the Zeiss V projector, audio mixer, channel switcher, and other equipment.

Teaching and Research Experience

Aug 2013 –
May 2014

Emory University, Atlanta, GA

Teaching Assistant – Introduction to Astronomy, Dr. Erin Bonning

Conducted 4 exam review sessions in addition to 1-on-1 help sessions to piece together information from main lectures. Assembled a course roster using Microsoft Excel to organize and calculate students' grades.

Aug 2012 – **Scholarly Inquiry and Research at Emory (SIRE), Atlanta, GA**
May 2013 *Research Assistant* – Dr. Richard Williamon
Researched Cepheid, Algol and variable star systems in Dr. Richard Williamon's laboratory. Presented a poster promoting fundamental knowledge of variable stars at SIRE's symposium in April. Studied and critiqued 10 journal publications from the *Royal Astronomical Society*.

Leadership Experience

Apr 2016 **Emory Climate Organization**
Co-Founder, Director of Web Technology and Marketing
Catalyzed the organization after involvement in the COP21 climate negotiations in Paris, France. Spearheaded the marketing campaign for *Climate Week* by developing flyers, organizational branding, and promotional events.

Apr 2015 – **Emory Engineering Society**
May 2016 *Co-Founder, VP of Communication*
Implemented programs to create community among students interested in engineering. Designed the organization's logo and ensured the creation of t-shirts for the club's members.

Oct 2014 – **The Emory Spoke**
May 2016 *Contributing Writer, Graphic Designer*
Brainstormed and wrote articles during weekly meetings in collaborative, workshop environment. Photoshopped pictures for online articles and co-designed *The Spoke Seasonal* Fall 2014 magazine.

Honors and Awards

Nov 2015 **Phi Beta Kappa Honors Society**
America's oldest honors society whose induction criteria are based on scholarship, breadth of culture, and general promise.

Apr 2015 **Sigma Pi Sigma Honors Society**
Honors outstanding scholarship in physics; eligibility achieved with a physics GPA of 3.5 or higher and college GPA within the top third of the class.

Aug 2014 – **Prentice Miller Scholarship (\$20,000)**
May 2016 Awarded to "deserving students" based on demonstrated financial need and academic performance.

Aug 2013 – **Dean's List**
May 2016 Earned a GPA of 3.75 or higher in all but two semesters.

Skills and Certifications

Language: Spanish (*Advanced*)
Programming Languages: HTML, CSS, Javascript, Java, MATLAB, Python, Verilog
Graphic Design: Adobe Premier, Adobe Photoshop, Adobe Illustrator, Final Cut Pro
Certifications: SAPA (*Sexual Assault Peer Advocates*) Sexual Assault Response,
QPR (*Question, Persuade, Refer*) Suicide Prevention Training

Interests

Soccer, Film, Comedy, Writing, Beatboxing, Music Production