

Lawrence C. Abu-Hammour

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Education

Dartmouth College – Hanover, NH

Class of 2019

GPA: 3.2/4.0

Engineering Sciences Major (AB/BE) (Concentration: **Electromechanical**) | **History Modified with Arabic (AB)** (Concentration: **American History**)

Bronx Center for Science and Mathematics (BCSM) – Bronx, NY

Sept 2011–June 2015

- Grade Average: 99.47% /100% | 5 AP Courses
- Valedictorian, National Honors Society, and National Science Honors Society

Skills

- Arabic (Modern Standard, Jordanian, Moroccan), Conversational Spanish, Elementary Japanese, and Elementary Tagalog.
- Microsoft Office, Mathematics; Google Suite; Windows Movie Maker, Adobe Premiere Pro CS6; Audacity; Salesforce
- MATLAB (Expert), C Programming Language (Competent), VHDL (Competent), Python (Some), Linux (Expert), HTML (Competent), LaTeX (Expert), SQL (Some)
- SolidWorks (CAD Software), Granta's CESEduPack, GD&T, ANSYS, AutoCAD, Revit CorelDraw, LogiSim, Vivado

Work Experience

Children's Aid Society-Hope Leadership Academy: Community Service Entrepreneurship Lead Facilitator – Harlem, NY **June 2018 – Aug 2018**

- Facilitated activities for 80 high school students weekly related to community service entrepreneurship and starting a business

Integrated Mathematical Oncology at Moffitt Cancer Center: Research Intern – Tampa, FL **Jan 2018 – Mar 2018**

- Collaborated on research involving Mathematical Models related to Mathematical Oncology and Advanced Cancer Methodologies
- Completed three Dartmouth equivalent courses taught by world renowned oncology doctors

Dartmouth Emerging Engineers: Teaching Assistant **Sept 2017 – Present**

- Mentored and Tutored Dartmouth students and engineering majors in the engineering sciences pre-requisites

Wilder Physics Department at Dartmouth: Research Assistant for Professor [James W. LaBelle](#) **June 2017 – Present**

- Performed data science research on medium frequency atmospheric waves under the [NASA Space Grant](#).

Summer Enrichment at Dartmouth (SEAD): Intern **Nov 2016 – Mar 2017**

- Identified cohort of ten high school freshmen from the Bronx for rigorous Dartmouth enrichment program
- Co-taught course called "College and Career Success" to all freshmen students and AP Calculus AB
- Assisted High School Juniors and Seniors with College Application Process

Breakthrough New York: High School Application Mentor **Aug 2016 – Dec 2016**

- Remotely Mentored Rising 9th Graders in Applying to Public, Independent, and Boarding High Schools **Sept 2017– Dec 2017**

Bronx Center for Science and Mathematics: Logistics Manager/Pre-College Mentor **Aug 2015 – Sept 2015**

- Reviewed and edited rising seniors in their college applications and college essays **Aug 2016 – Sept 2016**
- Used Excel and other Microsoft Suites to create and manage student progress and attendance **Aug 2017 – Sept 2017**

Breakthrough New York: Summer Teaching Fellow – Manhattan, NY **June 2016 – Aug 2016**

- Teaching 7th Grade Science to Breakthrough students at the Town School in Manhattan
- Evaluating students daily based on their performance and understanding of material taught in class
- Created lesson plans, presentations, quizzes, exams, exit-slips, and note-packets for student-use.

Machine Shop at Thayer School of Engineering: Shop Teaching Assistant– Hanover, NH **Sept 2015 – Sept 2018**

- Certified to run and maintain various mechanical machines including Laser Cutters, 3D Printers, Vertical and Horizontal Bandsaws, Sanders, Mills, DI WireBender, Thermoforms, Solidworks software, and Lathes.
- Teach engineering students and other students to run and use various machines in the shop for various projects

Tutor Clearinghouse at Dartmouth College: Tutor – Hanover, NH **Mar. 2016 – Present**

- Tutored students in several math and engineering courses

Dartmouth College Office of Undergraduate Admissions: Intern – Hanover, NH **Jan 2015 – Aug 2016**

- Wrote articles and blog entries for the official Dartmouth College blogsite: Dartmouth Direct
- Film/Produce videos and photograph the college and campus events for the blog to increase yield rate

Bronx Center for Science and Mathematics (BCSM): Intern- Bronx, NY **Nov 2015 – Dec 2015**

- Guided and assisted students by editing college essays and applications or assisting students in being proactive
- Planned successful Alumni Day Event with over 125+ guests making use of social media

BioScience Communications: Public Relations Intern – Manhattan, NY **June 2015 – Sept 2015**

- Organized, Edited, Researched, and Created Lists, Data, Marketing Materials, and Databases for Biomedical Congresses and Products from companies such as Alcon, Trojan, and Pfizer.
- Interned and performed in-office tasks to increase in-office efficiency under Edelman, LLP

Service Experience (100+ Hours)

Summer Enrichment at Dartmouth (SEAD) Summer Program: Volunteer Tutor/Mentor **June 2017 – July 2017**

- Tutored and mentored a student in writing and science over the course of the 2-week SEAD Summer Program

Breakthrough Collaborative: Breakthrough Ambassador - Hanover, NH **Aug 2016 – Mar 2017**

- Encouraged Dartmouth College students to apply to be a Breakthrough Teaching Fellow

Generate Photography – New York, NY **Aug 2016**

- Filmed and photographed a pop-culture convention at Crowne Plaza Hotel in Manhattan, NY

CrumlicMedia – New York, NY **Jan 2017**

- Filmed and photographed a pop-culture convention at Ocean Place Resort and Spa in Long Branch, NJ

Activities

- **Society of Hispanic Professional Engineers:** Secretary **Aug 2017 – Present**

- **Dartmouth Fencing Club:** Member of Sabré Fencing Squad **Sept 2017 – Present**

- **Japanese Animation Club at Dartmouth:** Secretary (Jan 2016- Sept 2016) | President (Sept 2016- Dec 2016)

- **Alpha Theta Gender-Inclusive Greek House:**

- Secretary (June 2017-Aug 2017) | House Manager (Sept 2017-Dec. 2017) | Member Development (Mar. 2018 – Present)

- **Gender-Inclusive Greek Council:** Vice-President (June 2017-Aug 2017) **June 2017 – Aug 2017**

- **Summer Sing Dynasty:** Tenor **June 2017 – Aug 2017**