

# Lawrence C. Abu-Hammour

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## Education

**Maritime College** – Throggs Neck, NY

GPA: **3.66/4.0**

**Bachelor of Engineering: Mechanical Engineering**

**July 2019- Present**

**Class of 2019**

**Dartmouth College** – Hanover, NH

GPA: **3.2/4.0**

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

- Hispanic Scholarship Foundation Scholarship Recipient

**2018, 2019**

**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

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## 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), HTML (Competent), LaTeX (Expert), SQL (Some), Linux, R
- SolidWorks (CAD Software), Granta's CESEduPack, GD&T, ANSYS, AutoCAD, Revit CorelDraw, LogiSim, Vivado

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## Work Experience

**MUJI USA:** Sales Associate- New York, NY

**Feb 2019 - Present**

- Worked across various departments to push sales on MUJI products
- Managed, organized, and kept inventory of MUJI stationary products while assisting customers

**Children's Aid Society-Hope Leadership Academy:** Lead Facilitator – Harlem, NY

**June 2018 – Aug 2018**

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

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

**Jan 2018 – Mar 2018**

- Collaborated on mathematical models related to Oncology and advanced cancer research

**Dartmouth College-** Hanover, NH

**Dartmouth Emerging Engineers:** Teaching Assistant

**Sept 2017 – Nov 2018**

- 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 – Nov 2018**

- Performed data science research on medium frequency atmospheric waves under the NASA Space Grant.

**Tutor Clearinghouse at Dartmouth College:** Tutor

**Mar. 2016 – Nov 2018**

- Tutored students in several math and engineering courses

**Dartmouth College Office of Undergraduate Admissions:** Intern

**Jan 2015 – Aug 2016**

- Wrote articles and blog entries for the official Dartmouth College blogsite
- Produced videos and photographs of the college and of events to increase admissions yield rate

**Summer Enrichment at Dartmouth (SEAD):** Intern- Bronx, NY

**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

**Machine Shop at Thayer School of Engineering:** Shop Teaching Assistant

**Sept 2015 – Sept 2018**

- Certified to run, teach, and maintain various mechanical machines including Laser Cutters, 3D Printers, Vertical and Horizontal Bandsaws, Sanders, Mills, DI WireBender, Thermoforms, Solidworks software, and Lathes.

## Breakthrough New York

**Breakthrough New York:** High School Application Mentor

**Aug 2016 – Dec 2017**

- Remotely Mentored Rising 9<sup>th</sup> Graders in Applying to Public, Independent, and Boarding High Schools

**Breakthrough New York:** Teaching Fellow – New York, 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.

**Bronx Center for Science and Mathematics-** Bronx, NY

**Bronx Center for Science and Mathematics:** Logistics Manager

**Aug 2015 – Sept 2017**

- Reviewed and edited rising seniors in their college applications and college essays
- Used Excel and other Microsoft Suites to create and manage student progress and attendance

**Bronx Center for Science and Mathematics (BCSM):** Intern

**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 at Edelman, LLP:** Public Relations Intern – Manhattan, NY

**June 2015 – Sept 2015**

- Organized, edited, researched, and created lists, data, marketing materials, and databases for Biomedical Conferences and products from companies such as Alcon and Pfizer.

## Activities

- Society of Hispanic Professional Engineers, Dartmouth Fencing Club, Alpha Theta Gender-Inclusive Greek House, Gender-Inclusive Greek Council, Summer Sing Dynasty