

Farouk Marhaba

Greater New York City Area | +1 (908) 655-2726 | farouk.marhaba@gatech.edu | www.faroukmarhaba.com | U.S. Citizen

Objective:

With experience encompassing entrepreneurship, finance, medical technology, and engineering, I am looking to use my skills for a summer 2020 internship related to a variety of fields. However, I am interested in applying my skills towards computational ophthalmology, medical device design, investment banking, or small business development.

Education:

Georgia Institute of Technology | Atlanta, GA

August 2018 – Present

B.S. Computer Science, GPA 3.85, Expected Graduation: May 2022

Academy for Health and Medical Sciences | Bridgewater, NJ

September 2014 – June 2018

High School Diploma & Associate of Science, General Science

Dual enrolled high school with Raritan Valley Community College

GPA 4.0 / 4.0 (unweighted), Summa Cum Laude

Experience:

Interdisciplinary Makerspace, Georgia Tech | Atlanta, GA

May 2019 – Present

*Peer Instructor / The Hive**

Largest interdisciplinary makerspace in the country catering specifically to electronics and computer engineering design and innovation, which provides a hands-on learning environment in six technical areas: PCB fabrication, embedded systems, electronics benchtop, 3D printing, laser cutting, and wood & metal working. Serving 2,500+ users per month.

- Teaching students how to operate machines at the Electrical and Computer Engineering makerspace
- Mentoring 40+ students per week (over 130+ total hours) on safe, smart, and successful machine operation
- Certified to operate available machinery, with specialization in printed circuit board fabrication process
- * volunteer organization staffed and run by a diverse group of over 100 students from Schools and Colleges across campus

Georgia Tech Research Institute: Electro-Optical Systems Lab | Atlanta, GA

May 2019 – July 2019

Summer Undergraduate Research Intern

Applied research arm of Georgia Tech that receives \$500M+ annually in research contracts, including federal government customers and industry sponsors.

- Created completely 3D-printed modular biomedical imaging device from scratch for applications in remote environments
- Designed and 3D printed standardized modular optomechanical fixtures within Solidworks for various functions, ranging from lens holders, beam splitter plates, cube frames, XYZ moving stage, etc.
- Finished proof-of-concept device that acts as both a retinal camera and light microscope

Project Break The Cycle Inc | Bridgewater, NJ & Tripoli, Lebanon

February 2016 – Present

Founder & Executive Director

501(c)3 nonprofit organization that provides funding for private education and shelter for neglected children in Lebanon, in conjunction with the Home of Tripoli for Social Welfare. For more information, visit www.projectbreakthecycle.com.

- Organizing fundraisers, raising over \$20,000 total (one selling over 250 sweatshirts raising \$4,000+ in profit alone)
- Acquired and completed necessary legal paperwork for incorporation and nonprofit exemption status
- Establishing corporate relations and/or matching programs with Google, Amazon, Microsoft, Johnson & Johnson, and more

Pairadise LLC | Bridgewater, NJ

January 2013 – Present

Co-owner

Buys and sells limited-edition sold-out sneakers, apparel, and other coveted consumer goods at significant profit margins.

- Combining over \$70,000 profit and \$300,000 revenue while integrating/using e-commerce platforms (PayPal/eBay/Shopify)
 - Developing better financial intuition and understanding of consumer needs in different contexts
-

Skills:

Programming: Java, Python, OpenCV, HTML/CSS

Software: Solidworks, Eagle, Arduino, MbedOS, Google AdWords, Google Analytics, Adobe Creative Suite

Languages: English (native), Arabic (native), Spanish (conversational)

Clubs: GT Hyperloop, Investment Committee, American Medical Student Association

Relevant Courses: Linear Algebra, Discrete Math, Python, Java, Data Structures & Algorithms (current), Anatomy & Physiology I & II, Organic Chemistry I (current), Technology Law Policy & Mgmt (Intellectual Property)