

Farouk Marhaba

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

Education:

Georgia Institute of Technology Atlanta, GA			Aug 2018 – (Dec 2021)
B.S. Computer Science, Artificial Intelligence & Devices Concentrations			
GPA 3.93/4.00			
Relevant Courses:	Data Structures & Algorithms Object-Oriented Programming	Comp. Org. (Assembly, C) Algorithm Design	Intro to Artificial Intelligence Sensation & Perception

Skills:

Programming:	Software:	Languages:
Java	SolidWorksCAD	English (native)
Python	EagleCAD	Arabic (native)
C	Google Analytics	Spanish (conversational)
Assembly	Arduino	
HTML/CSS/JS	Google AdWords	
NodeJS	Adobe Illustrator	
ExpressJS	Adobe Photoshop	
ReactJS		

Projects:

WeatherSender: Free Daily SMS Weather Updates	(http://weathersender.com)	May 2020
<ul style="list-style-type: none">Developed a REST API server that handles two-way SMS messaging of daily weather updates using NodeJS, MongoDB database, ExpressJS, and Twilio API backend, with a ReactJS web app frontend user subscription portalDeployed using Git version control with Heroku and GitHub Pages, and analyzed traffic using Google Analytics		
SafeShop: Using AI & Sensor Fusion to Aid Business Reopening	(http://bit.ly/SafeShopAI)	May 2020
<ul style="list-style-type: none">Won 1st place in Workplace Impact Track of COVID-19 hackathon (100+ participating teams)Led team in product management and initial development for a review platform that fuses real-time sensor data with crowdsourced information to compute dynamic “Overall Safety Ratings” for local businesses		
Machine Learning and Cloud Vision Healthcare Rewards Program	(http://bit.ly/MLHealthRewards)	Oct 2019
<ul style="list-style-type: none">Won 3rd place for Best Overall Project at HackGT6 (200+ participating teams)Developed personal health monitoring app that incentivizes healthy living by rewarding healthy eating and gym visitsUsed Google Mobile Vision API to read QR-codes, Google Firebase Machine Learning API for food image labeling, and Android Studio to create the Android app		
Space Trader Desktop Game	(http://bit.ly/FaroukSpaceTrader)	Aug 2019
<ul style="list-style-type: none">Created a Java Swing single-player desktop game in which character travels through the universe in effort to become rich		
Chicken 1.0: The Car That Runs Away from You	(http://bit.ly/Chicken1Car)	Mar 2019
<ul style="list-style-type: none">Used Arduino microcontroller to transform remote controlled car into autonomous “chicken” that evades chasing objects		

Experience:

Electrical & Computer Engineering Makerspace, Georgia Tech Atlanta, GA	May 2019 – Present
<i>Peer Instructor</i>	
<ul style="list-style-type: none">Teaching safe machine operation and skills to 40+ students per week (over 150+ total hours) including printed circuit board fabrication, embedded systems, 3D printing, laser & plasma cutting, and wood & metal working	
Georgia Tech Research Institute: Electro-Optical Systems Lab Atlanta, GA	May 2019 – Jul 2019
<i>Engineering Intern</i>	
<ul style="list-style-type: none">Created 100% 3D-printed modular biomedical imaging device for rapid manufacturing needs with \$50,000 budgetLed 1-week design sprints and iterative design and implementation of modular optomechanical fixtures using SolidWorksDesigned lens holders, beam splitters, cube frames, and 3DOF stage, and finished proof-of-concept device that acts as both a retinal camera and light microscope	
Project Break The Cycle Inc Bridgewater, NJ & Tripoli, Lebanon	Feb 2016 – Jan 2020
<i>Founder & Executive Director</i>	
<ul style="list-style-type: none">Established 501(c)3 tax-exempt nonprofit organization to raise funds for Lebanese orphanage, raising \$20,000+ across merchandise fundraisers and corporate giving programs with Google, Amazon, Microsoft, Johnson & Johnson, and moreManaged 20+ volunteers in marketing campaigns, merchandise product development, manufacturing efforts	
Pairadise LLC Bridgewater, NJ	Jan 2013 – Jan 2020
<i>Co-owner</i>	
<ul style="list-style-type: none">Combining \$70,000+ profit, \$300,000+ revenue while integrating e-commerce gateways such as PayPal, eBay, ShopifyPurchased & sold limited-edition sneakers, apparel, and other coveted consumer goods at significant profit margins	