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 3.91/4.00

Relevant Courses:			
	Data Structures & Algorithms	Algorithm Design	Intellectual Property Law
	Object-Oriented Programming	Comp. Org. (Assembly, C)	Linear Algebra
	Intro to Artificial Intelligence	Sensation & Perception	Discrete Math

Skills:

Programming: Java, Python, C, Assembly, HTML/CSS/JavaScript, MongoDB, React Native, Android Studio, Git, OpenCV, Arduino
Software: SolidWorks, Eagle, Google Analytics, Google AdWords, Adobe Creative Suite, Microsoft Office
Languages: English (native), Arabic (native), Spanish (conversational)

Projects:

Machine Learning and Cloud Vision Healthcare Rewards Program (http://bit.ly/MLHealthRewards) *Oct 2019*
- 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 visits
- Used **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

Chicken 1.0 – The Car That Runs Away from You (http://bit.ly/Chicken1Car) *Mar 2019*
- Transformed remote controlled car into **autonomous** "chicken" that evades chasing objects
- Used **Arduino** microcontroller, ultrasonic distance sensors, and relays to automate movement

Booler Projects Website (http://boolerprojects.com) *Mar 2020*
- Developed website for my startup group using **HTML**, **CSS**, and **JavaScript**
- Analyzed user traffic through **Google Analytics** and edited content using **Git** version control

Space Trader Desktop Game (http://bit.ly/FaroukSpaceTrader) *Aug 2019*
- Created a single-player desktop game in which character travels through the universe in effort to become rich
- Utilized **Java Swing** for the user interface, and **Java** for the back-end of the game

Experience:

Laconic | Bridgewater, NJ *Jan 2020 – Present*
Founder & Chief Technology Officer
- Founded currently early-stage startup based on AI-powered gifting platform that reinvigorates personalized gift-giving while supporting local artists and building community
- Responsible for developing platform and **recommendation classifier** in addition to user interface

Electrical & Computer Engineering Makerspace, Georgia Tech | Atlanta, GA *May 2019 – Present*
Peer Instructor
- Teaching safe machine operation and skills to **40+ students per week** (over **150+ total hours**)
- Certified in printed circuit board fabrication, embedded systems, electronics benchtop, 3D printing, laser & plasma cutting, and wood & metal working

Georgia Tech Research Institute: Electro-Optical Systems Lab | Atlanta, GA *May 2019 – Jul 2019*
Summer Undergraduate Research Intern
- Created **100% 3D-printed** modular biomedical imaging device from for use in remote environments
- Designed standardized modular optomechanical fixtures within Solidworks for various functions, including lens holders, beam splitter plates, cube frames, XYZ moving stage, etc., 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*
Founder & Executive Director
- Acquired necessary legal paperwork for incorporation and 501(c)3 nonprofit tax exemption status
- Organized fundraisers, raising **$20,000+**, while establishing corporate relations and/or matching programs with Google, Amazon, Microsoft, Johnson & Johnson, and more

Pairadise LLC | Bridgewater, NJ *Jan 2013 – Jan 2020*
Co-owner
- Combining **$70,000+ profit**, **$300,000+** revenue while integrating e-commerce platforms: PayPal/eBay/Shopify
- Purchased & sold limited-edition sneakers, apparel, and other coveted consumer goods at significant margins