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 – (May 2022)*
B.S. Computer Science, Artificial Intelligence & Devices Concentrations, GPA 3.94/4.00
Honors & Awards: 2020 L'Oréal USA Diverse Future Leaders Sophomore Fellow, Faculty Honors, Summa Cum Laude
Relevant Courses: Data Structures & Algorithms, Machine Learning, Computer Vision, Object Oriented Programming, Computer Organization, Algorithm Design, Intro to AI, Sensation & Perception

Skills

Programming:				Software:		Languages:
Java	Assembly	Node.js	MongoDB	SolidWorksCAD	Google AdWords	English (native)
Python	JavaScript	ReactJS	React Native	EagleCAD	Adobe Illustrator	Arabic (native)
C	HTML/CSS	ExpressJS	Arduino	Google Analytics	Adobe Photoshop	Spanish (conversational)

Projects

WeatherSender: Free Daily SMS Weather Updates (http://weathersender.com) *May 2020*
- 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 portal
- Deployed 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*
- Won 1st place in Workplace Impact Track of COVID-19 hackathon (100+ participating teams)
- Led team in product discovery 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*
- Won 3rd place for Best Overall Project at HackGT6 (200+ participating teams)
- Developed personal health monitoring Android app that incentivizes healthy living by rewarding nutritious eating
- Used Google Mobile Vision API (read QR-codes) and Google Firebase ML API (food image labeling)

Experience

Incoming Software Engineering Intern - Lyft **(**San Francisco, CA) *Jun 2021 – Aug 2021*

Product Manager - Bits of Good, Hack4Impact Georgia Tech Chapter **(**Atlanta, GA) *Jun 2020 – Dec 2020*
- Interview local nonprofits and assess feasibility of modular donation management tool for General Solutions team
- Collaborate cross-functionally with Design and Development teams to identify appropriate sprint tasks, draft product proposals and feature specifications, construct product roadmaps, and facilitate healthy group dynamic

Technical Product Manager Intern - Purafil, Inc. **(**Atlanta, GA) *Jun 2020 – Jul 2020*
- Led team of 5 in implementation of new Configure Price Quote (CPQ) trial product for Emergency Gas Scrubbers
- Conducted user research finding pain points of current quotation pipeline UI/UX, implemented feedback using Agile
- Worked directly with external engineers to represent Purafil's concerns, and decreased quote generation time by 70%

Engineering Intern - Georgia Tech Research Institute: Electro-Optical Systems Lab (Atlanta, GA) *May 2019 – Jul 2019*
- Created 100% 3D-printed modular biomedical imaging device for rapid manufacturing needs with $50,000 budget
- Led 1-week iterative sprint cycles (Scrum) including design / implementation of modular fixtures using SolidWorks
- Designed 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

Founder & President - Project Break The Cycle Inc (Bridgewater, NJ) *Feb 2016 – Present*
- Established 501(c)3 fundraising nonprofit organization that utilizes 100% of profits from selling uniquely designed clothing to empower nonprofit organizations aimed at sustainably breaking the cycle of poverty in the Middle East
- Raised $30k+ across fundraisers and corporate giving programs with Google, Johnson & Johnson, and Amazon
- Managed 20+ volunteers in marketing campaigns, merchandise product development, and manufacturing efforts

Co-owner - Pairadise LLC (Bridgewater, NJ) *Jan 2013 – Jan 2020*
- Purchased & sold limited-edition sneakers, apparel, and other coveted consumer goods at significant profit margins
- Generated $70k+ profit, $300k+ revenue using e-commerce gateways such as PayPal, eBay, Goat, etc.