

Farouk Marhaba

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Education

Georgia Institute of Technology (Atlanta, GA)

Aug 2018 – (Dec 2021)

B.S. Computer Science, Artificial Intelligence & Devices Concentrations, GPA 3.93/4.00

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:

Java Assembly Node.js MongoDB
Python JavaScript ReactJS React Native
C HTML/CSS ExpressJS Arduino

Software:

SolidWorksCAD Google AdWords
EagleCAD Adobe Illustrator
Google Analytics Adobe Photoshop

Languages:

English (native)
Arabic (native)
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 app that incentivizes healthy living by rewarding nutritious eating and gym visits
 - Used Google Mobile Vision API to read QR-codes, Google Firebase ML API for food image labeling, and Android Studio (Java) to create the Android app
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Experience

Product Manager - Bits of Good, Hack4Impact Georgia Tech Chapter (Atlanta, GA)

Jun 2020 – Present

- 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
- Successfully decreased quote generation time by 70%, but ultimately gave “no-go” recommendation for full product acquisition due to core bugs and lack of documentation within requested product

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 \$25,000+ 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 \$70,000+ profit, \$300,000+ revenue using e-commerce gateways such as PayPal, eBay, Goat, etc.