

Taufiq Dhanani

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EDUCATION

Georgia Institute of Technology – Online Campus	August 2017 – May 2021
Master of Science in Computer Science: Computational Perception and Robotics Specialization	GPA: 3.8/4.0
Georgia Institute of Technology – Atlanta, Georgia	August 2012 – May 2016
Bachelor of Science in Computer Science: Information Internetwork and People Threads	GPA: 3.8/4.0
Faculty Honors and Dean's List	
Universitat Politècnica de Catalunya – Barcelona, Spain	May 2014 – August 2014
Gwinnett School of Mathematics, Science, and Technology – Lawrenceville, Georgia	August 2008 – May 2012

PROFESSIONAL EXPERIENCES

Avitas a Baker Hughes Venture – Sr. Analytics Engineer – Boston, Massachusetts	February 2018 – present
<ul style="list-style-type: none">– Designed the architecture and implemented a cloud (AWS/Docker/Java/Python) computer vision system to use aerial and stationary sensor data to detect and quantify methane emissions, oil leaks, and other inspection items for the O&G industry– Created efficient algorithms such as semantically fusing 2D aerial imagery object detections with 3D assets in the real world using deep learning, multi-camera geometry, and Hungarian matching.	
General Electric – Digital Technology Leadership Program – Lisle, Illinois	February 2017 – February 2018
<ul style="list-style-type: none">– Created predictive models using support vector machines in for time series data from industrial assets to reduce unplanned equipment downtime months in advance.	
General Electric – Digital Technology Leadership Program – San Ramon, California	July 2016 – February 2017
<ul style="list-style-type: none">– Created a package to encrypt, transfer and store highly sensitive industrial data without foregoing efficiency that was benchmarked to be eleven times faster than previous solutions.	
Georgia Tech Multimedia Studio – Technology Support Assistant II – Atlanta, Georgia	June 2013 – May 2016
<ul style="list-style-type: none">– One-on-one support for sound manipulation, graphic design, or video editing using Final Cut Pro, Photoshop, or Illustrator	
Visa –Software Engineer Intern – Foster City, California	June 2015 – August 2015
<ul style="list-style-type: none">– Developed a full stack web application for internal atomization using Angular, Express, and DB2 for clearing and settlements.	
Discrete Math CS2050 – Undergraduate Teaching Assistant – Atlanta, Georgia	August 2014 – January 2015
<ul style="list-style-type: none">– Taught an 80-minute recitation session each week and held office hours to provide additional resources for students	

PERSONAL EXPERIENCES

AKES Winter Upgrade Program – Khorog, Tajikistan	December 2018 – January 2019
Prepped high school seniors at the Aga Khan Lycée for college admission exams/standardized testing and held daily classroom sessions to cover high school math curriculum over a span of six weeks.	
iCodeCamp.github.io – Chicago, Illinois	December 2017 – January 2018
Created and delivered two six-week curriculums for high school girls and boys to learn about the awesomeness of computer science and software engineering.	
Alternative Winter Break – Los Angeles, California	January 2017
Group facilitator for college students that engage in multiple service opportunities for the City of Los Angeles and participate in discussions that expose the multidimensionality of problems such as homelessness, food shortages, and refugee crises.	
Camp Al-Ummah – Meadville, Pennsylvania	June 2016 – July 2016
Counselor for a high school residential program that serves to develop exemplary, happy, American Ismaili youth who are well integrated into Western society. Held modules that allowed participants to create their own personal websites and learn about internet safety.	

SKILLS

Programming:	Python, Java, SQL, Zsh/Bash, Node.js, Polymer, MEAN Stack, Go
Design:	HTML/CSS, Final Cut Pro, Adobe CC (Photoshop, After Effects, Illustrator, Lightroom, Premier)
Technologies:	Unix, Docker, AWS, Postgres, Redis, RabbitMQ, .Net Core, Cloud Foundry, Android
Languages:	English – native, Urdu/Hindi – fluent, Spanish – conversational, Arabic – beginner