

Taufiq T Dhanani

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EDUCATION

Georgia Institute of Technology, College of Computing – Atlanta, Georgia	August 2017 – Present
Master of Science Computer Science: Computational Perception & Robotics	GPA: 3.7
Georgia Institute of Technology, College of Computing – Atlanta, Georgia	August 2012 – May 2016
Bachelor of Science Computer Science: Information Internetwork and People Threads	GPA: 3.8
Faculty Honors and Dean's List	
Gwinnett School of Mathematics, Science, and Technology – Lawrenceville, Georgia	August 2008 – May 2012

EXPERIENCE

Avitas Systems – DTLP Software Engineer (Computer Vision) – San Ramon, California	January 2018 – Present
Rendering high-fidelity 3D models from photogrammetry images captured by drones to deliver to customers in Oil & Gas, Aviation, and Transportation. Also architecting/building the choreography pipelines to automatically run analytic services (e.g. foreign object detection, corrosion detection, etc.) on subsequent inspection images. Using lots of Python, Context Capture, RabbitMQ, Redis, and AWS.	
General Electric – DTLP Software Engineer (Data and Analytics) – Atlanta, Georgia	September 2017 – January 2018
Designed and built a monitoring service for the standardized data and analytics platform for all GE Business units (GE Power, GE Finance, GE Transportation, etc.)	
General Electric – DTLP Software Engineer (Backend, Machine Learning) – Lisle, Illinois	February 2017 – August 2017
Built predictive models using support vector machines in for time series data from industrial assets to reduce unplanned equipment downtime months in advance. Used C# for the backend services and Python (Pandas, Numpy, SciPy) for some of the non-proprietary models.	
General Electric – DTLP Software Engineer (Backend) San Ramon, California	July 2016 – February 2017
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.	
Visa – Software Engineer Intern – Foster City, California	June 2015 – August 2015
Researched and developed a full stack AngularJS, NodeJS, ExpressJS, MongoDB and DB2 web application and RESTful APIs for the Clearing and Settlement team.	
Discrete Math CS2050 – Undergraduate Teaching Assistant – Atlanta, Georgia	August 2014 – January 2015
Taught 80-minute recitation sessions each week, graded student work and exams, proctored during the exams for the lead instructor, held office hours, and attended organizational meetings with the lead instructor.	
Georgia Tech Multimedia Studio – Technology Support Assistant II – Atlanta, Georgia	June 2013 – May 2016
Used my mastery in Adobe software (Photoshop, Premier, Illustrator, and LightRoom) as well as video editing software like iMovie and Final Cut Pro to teach Georgia Tech students tips and tricks to finish their multimedia projects on time.	

SKILLS

Programming:	Python, Java, C#, Node.js, MongoDB, SQL
Design:	HTML/CSS, Final Cut Pro, Adobe Photoshop, Illustrator, Lightroom, Premier
Technologies:	RabbitMQ, Postgres, Redis, Docker, Spring, Predix, Cloud Foundry, NET Core,

CURRENT ACTIVITIES

Ismaili Graphics National Task Force
Designed graphics and animations for the Ismaili Religious Community for national and international events. Portfolio includes branding, logo creation, poster and flyer design. The audience for displaying work is on the magnitude of tens of thousands of people.

PAST ACTIVITIES

iCodeCamp.github.io – Chicago, Illinois	June 2017 – August 2017
Created and taught two six-week curriculums for high school girls and boys to learn about the awesomeness of computer science and software engineering.	
Alternative Winter Break Facilitator – 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 Counselor – 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.	