

SAMUEL OGE

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EDUCATION **The City College of New York, City University of New York** **June 2018**
Bachelor of Engineering in Electrical Engineering, Minor in Mathematics and Studio Art Cum Laude

RELEVANT COURSES

Digital Design using Verilog, Switching Systems, Linear Systems Analysis 1/2, Programming for EE, Communication Theory, Digital Computer Systems, Digital Computer Lab, Numerical Analysis, Intro to Computing, Probability and Statistics

QUALIFICATIONS

Technical Skills: MatLab, MultiSim, ModelSim, Solid Works, Python; C++, Rudimentary Sequel

Applications/OS: Microsoft Office, Windows, Macintosh, UNIX

Languages: Fluent in Haitian Creole, English, Intermediate French

Other: Booz Allen Metis Data Science Bootcamp

FELLOWSHIPS / ACTIVITIES

NOAA Education Partnership Program **2015-2017**

Undergraduate Scholarship Program that provides scholarships for two years as well as two summer internships to rising junior majoring in Science, Technology, Engineering and Mathematics (STEM) fields.

Colin Powell Undergraduate Fellowship for Leadership and Public Service **2015-2017**

Multifaceted program for City College undergraduate students designed to prepare fellows for lives of public service and active citizenship, and enable them to apply their skills to issues of public concern

S Jay Levy Fellowship for Future Leaders **2015-2016**

City College fellowship, focused on professional development, offered to top academic performers

Student Ambassador, City College Office of Undergraduate Admissions, NY **2013-2018**

Conduct campus tours for groups ranging from 15 to 60+ prospective students, parents and schools and also provide information and answer questions about academics, campus, and student life

HackerRank / LeetCode

Continual engagement in coding programs and challenges

WORK EXPERIENCE

Intern, Booz Allen Hamilton, Washington, DC **06/2017-08/2017**

Created an agent based model for population movement during emergency evacuation. Using Dijkstra's method, developed algorithm for mapping out and organizing our case study's network. Designed agent decision making process to approximate actual evacuation behavior and to predict locations that would be in greatest need of aid.

Research Intern, NOAA Earth System Research Laboratory, Boulder, CO **06/2016-08/2016**

Aided in the design and implementation of a Doppler Wind LiDAR developed for wind profile attainment in Visalia, CA. Reconstructed and reprogrammed scanner for the LiDAR. Constructed section in LiDAR for system to be autonomous and remotely operational. Designed and constructed shutter system for the erbium doped fiber amplifier.

Research Intern, NOAA Center for Weather and Climate Prediction, College Park, MD **06/2015-08/2015**

Developed simplified prototype sensor model designed to be used for Unmanned Aircraft System(UAS) based goniometric measurements of land and water surfaces for satellite data validation.