MAMADOU M. DIALLO

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EDUCATION

University of Maryland, A. James Clark School of Engineering — *January 2017 - May 2019*
B.S. Computer Engineering — Cumulative **GPA: 3.5/4.0**

Prince Georges Community College — *August 2014 - December 2016*
A.S. Engineering — Cumulative **GPA: 3.7/4.0**

TECHNICAL STRENGTHS

Skills: Java Spring-Boot, AWS, AngularJS, MongoDB, Jenkins, Java, Assembly(Mips), C, Ruby, OCaml, GNU Octave, MATLAB, Python, Linux, Office, PSpice, Verilog, Sim4Life, LaTex, Firebase, TensorFlow, GO, Flutter.

Courses: Algorithms, Data Structures, Machine Learning, Organization of Programming Languages, Microprocessors(ARM Cortex-M),Multi-variable Calculus Differential Equations, Linear Algebra, Complex Variables.

WORK EXPERIENCE

Capital One — August 2019 - Present
Full Stack Software Engineer — McLean, VA

· Continuously develop features in front-end, back-end, and Infrastructure(CI/CD lifecycle). Maintain data quality in SDP.
· Write test and deploy the features, Maintain our internal Org API used by teams in Capital One. Help other internal teams to integrate our Stream Data Platform.

Digital Logic Design — August 2018 - August 2019
Undergraduate Teaching Fellow — College Park, MD

· Deliver weekly recitation to 13 students and answers student questions concerning the previously covered materials.
· Administering, grading quizzes and exams, and holding weekly office hours.

Deep Brain Neurotechnologies — June 2018 - August 2018
Software/Hardware Intern — College Park, MD

· Designed and constructed a helmet with an integrated array of antennas and a circuit board that is able to focus a magnetic beam to target a point in the deep brain.
· Helped design and build a computer cluster systems to facilitate and speed the current ongoing research.

MiniPack, Inc — January 2018 - May 2018
Software Development Intern — Bethesda, MD

· Wrote a SOLID design principal in Python, which was used at a NIH scientist workshop.
· Helped build a mobile application that helps freelancers to cooperate with each other base on trust formula computed by the application.

Prince Georges Community College, Math Learning Center — August 2015 - Present
Teaching Assistant/Math Tutor — Largo, MD

· Assists a designated professor with instructional responsibilities. Holds offices houses in which I tutor in the following courses: College Algebra, Trigonometry, Calculus sequences, Differential Equation, and Linear Algebra.

PROJECTS

Shuttle Ambient Temperature Monitor

· Lead a group of students to design a 3D model of a space shuttle in order to run a simulation and study the heat intensity on different parts of the shuttle, while in motion.

HONORS AND AWARDS

· Member of the Electrical and Computer Engineering Honors Program.
· Recipient of the Corcoran Scholarship and Yurie Scholarship.
· Dean's List: Fall 2018, Fall 2017, Spring 2016, and Fall 2016