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: Spring 2019, Fall 2018, Fall 2017, Spring 2016, and Fall 2016