Rodrigo Pimenta

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Education:

University of Maryland, College Park, MD
A. James Clark School of Engineering

B.S. Computer Engineering   *Expected December 2019*
- Current GPA: 3.42/4.00

ACES Minor
- A selective advanced upper-level cyber security honors program, which emphasizes on hands-on experience in order to develop practical cyber security skills through coursework, group projects, and research.

Environment, Technology, and Economy Scholars Honors Program
- Competitive honors program that explores global sustainability through class time and first hand experiences with environmental relationships, new advances in technology, and the environmental impacts on various economic sectors.

Skills:

Languages:	Fluent in English, Portuguese, and Spanish
Computer Skills:	Proficient in JAVA, C, C++, JavaScript, Ruby, Python, Ocaml, Matlab, Verilog, Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Autodesk Inventor, and programming in a UNIX environment.
Relevant Coursework:	Object-Oriented Programming I-II, Introduction to Computer Systems, Discrete Structures, Organization of Programming Languages, Digital Logic Design, Elements of Discrete Signal Analysis, Electric Circuits, Digital Circuits and Systems Laboratory, Computer Organization, Signal and System Theory, Analog and Digital Electronics, Electronic Circuits Design Lab, Microeconomics, Macroeconomics, Chemistry I, Physics I-II, Calculus I-III, and Differential Equations.

Project Experience:

Over Sand Vehicle Design Project
- Programmed motors and sensors with Arduino in C++ to move the autonomous vehicle through a course of obstacles and to obtain dimensions of objects in a terrain of sand.
- Designed circuits, created 3D drawings of wheels and gears using Autodesk Inventor, and printed desired components using Makerbot 3D printers.

CMS Publisher Security Recommendation Analysis
- Created machines to host either Wordpress or Joomla with different levels of security implementations.
- Wrote scripts in Bash and Python and collected IP address of requester, timestamp, type of request, file/domain to which request was made from apache logs in order to determine which security implementation was most cost effective.

Other Activities:

Study Abroad. Studied abroad in Rome for an academic period.

Diversity. Born in Brazil to a Brazilian father and Spanish mother. Holds Brazilian and Spanish passports and is open to working outside of the US. Holds American Permanent Residency and does not require work visa sponsorship.

Travel Abroad. Lived in Brazil. Visited Spain, Mexico, France, Greece, Italy, Denmark, Turkey, and other countries.

Volunteer. Frequent volunteer at the Greentree Shelter for Women. Volunteered for 60 hours during Summer 2016 in the homeless shelter's Finance Department.

YMCA Bethesda-Chevy Chase Volunteer (*May-September 2013/2014*). Responsible for the younger class of thirty children as a camp counselor. Conducted swimming lessons, taught basic sports rules, and led group games.

Society Memberships. Pi Kappa Phi Fraternity, Alpha Lambda Delta Honor Society, Primannum Honor Society, National Society of Collegiate Scholars, Society of Hispanic Engineers.

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