

Rodrigo Pimenta

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EDUCATION

University of Maryland – College Park, MD

Expected Graduation May 2019

- Bachelor of Science in Computer Engineering with 3.4 GPA
 - Minor in Cybersecurity (ACESII Program - University of Maryland Honors College)
 - Minor in International Engineering

TECHNICAL EXPERIENCE

Bank of America – Charlotte, NC

June 2018 – Present

Software Development Intern

- Updated PowerShell automation script to validate if source code files for an updated ATM solution from a vendor's delivery matched the software components promised by the vendor in their Release Manifest.
- Obtained, manipulated, and extracted information from different COM objects with different cmdlets, created two custom iDictionary data structures and a custom PSObject, implemented O(n) algorithm for comparison, piped comparison output and forensic audit detail to text file to be referenced at any time.

Pismo – Sao Paulo, Brazil

January 2018 – February 2018

Software Engineering Intern

- Worked speaking only in Portuguese. Learned the implementation of the Pismo gateway repo, which is based on Netflix's zuul-gateway and is responsible for routing users to their appropriate microservice, each having their own database subsystem.
- Updated the CanaryReleaseFilter file with java and groovy to extract and check headers using the zuul api, check environment variables, and log information. Ran repo on localhost, used Insomnia REST Client to create custom HTTP requests (to be routed to new version of a microservice), and viewed entire transaction for testing purposes. Created unit tests for testing. Familiarized with Jenkins and Docker.

Paradyne Management Inc. – Greenbelt, MD

May 2017 – May 2018

Software Engineering Intern

- Created resume parser with python, used word2vec for word vectorization, used Scikit-Learn and NLTK libraries. Labeled words, tested Naïve Bayes and Support vector machine objects for skills extraction.
- Used Beautiful Soup for web scraping to create CSV of 4k majors and another CSV of 5k Universities. Used different matching techniques, checked unigrams, bigrams, and trigrams, as well as use simple regex.

TECHNICAL SKILLS

Prog. Languages: C, C++, C#, Java, Python, .NET, PowerShell, JavaScript, OCaml, Prolog, Verilog, Matlab, Arduino, Assembly

Web Development: HTML, CSS, XML, JSON, Node.js, AJAX

IDE/OS: IntelliJ, Eclipse, Pycharm, Jupyter Notebook, Visual Studio, Atom, PowerShell ISE, Unix/Linux Distro, MacOS, Windows

Languages: Fluent in English, Portuguese, and Spanish

COURSEWORK

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|---|---|
| • Data Structures (Java, Eclipse) | • Org. of Prog. Languages (Ruby, OCaml, Prolog) |
| • Object-Oriented Programming I, II (Java, Eclipse) | • Discrete Structures |
| • Algorithms | • Computer Organization/Digital Computer Design |
| • Intro to Computer Systems (C, x86 Assembly) | • Digital Circuits and Systems Lab (Verilog) |
| • Operating Systems (C, ARM Assembly) | • Electronic Circuits Design Laboratory |
| • Reverse Eng. and Hardware Security (C, IDAPro) | • Calc. III/Diff. Eq./Linear Algebra |
| • Intro to Engineering Design (C++, Arduino) | • Signal and System Theory (Matlab) |

OTHER

Volunteer – Greentree Shelter for Women's Finance Department

May - August 2016

Awards – Leidos Partners' Scholarship, Multi-Ethnic Academic Excellence Award, Jeong H. Kim Scholarship

Society Memberships – Pi Kappa Phi (Founding Father), Primannum Honor Society, Society of Hispanic Engineers

Diversity – Holds Brazilian Passport, Spanish Passport, United States Permanent Residency (Citizenship Expected 2019)