Raoul A. Rego

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EDUCATION

Georgia Institute of Technology   August 2013 - May 2018
Candidate for Bachelor of Science in Computer Science

SKILLS

Mobile development (Android & iOS development)
Front-end web development (jQuery, Polymer, NodeJS)
Middleware development (PHP, Java & Spring Framework, Apigee, .NET)
Backend development (PL/SQL, PostgreSQL, MySQL, Couchbase)
Embedded deveopment (C/C++, Arduino, Raspberry Pi)
GNU/Linux administration (Python, Perl, Bash, Docker, Vagrant)

EXPERIENCE

AT&T Entertainment Group   **El Segundo, CA**
Summer Intern   June 2017 - August 2017
- Crafted front-end for internal CDN manager using Polymer
- Constructed Web API to exclude problematic CDNs from client selection using Java/Spring and Couchbase
- Created framework to generate token for CDN authentication

WREK radio station at Georgia Institute of Technology   **Atlanta, GA**
Webmaster, Radio DJ, & Engineering team member   January 2016 - Present
- Maintain and update website to display announcements and currently scheduled shows
- Migrate old computers to virtual machines hosted on a server running XenServer
- Perform system administration tasks for Linux machines running our websites and mail server
- Radio DJ for "Psych-Out" speciality show

EnerCage   **Atlanta, GA**
Undergraduate Researcher   January 2016 - Present
Research project on a wirelessly powered sensor system to analyze behavior of small animals
- Wrote significant portions of Raspberry Pi TCP server/client code in C++
- Created discovery server for client to find Raspberry Pi systems within network
- Added functionality to display Raspberry Pi system status on an LCD
- Wrote UART communication code to communicate with chip controlling rat cage

Georgia Institute of Technology Facilities Management   **Atlanta, GA**
Student Assistant   February 2017 - May 2017
- Wrote many web applications to display campus map data for employees, replacing their printed maps
- Created login system using Georgia Tech IAM to control employee map read and write access

Dell   **Round Rock, TX**
Dell Financial Services IT Intern   May 2016 - August 2016
- Wrote deployment scripts to greatly expedite deployment to test environments
- Upgraded .NET applications to use TLS 1.2, reenabling credit score vendor integration
- Created web application to bundle tools/permissions to expedite onboarding using NodeJS, Angular, and Pure CSS
- Implemented significant functionality for applications in .NET and PL/SQL

Nead Werx   **Atlanta, GA**
Junior Mobile Engineer   May 2014 - December 2015
Data driven consulting company whose primary product is an ERP solution
- Wrote RESTful API functions in PHP for mobile and web applications to call
- Helped to design Android/iOS architecture and wrote significant functionality and custom views
- Generated and parsed XML and JSON in PHP and JavaScript
- Wrote Android/iOS unit tests significantly decreasing manual testing time
- Wrote Python/Perl/Bash hooks for GIT to verify code quality