

Raoul A. Rego

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EDUCATION

Georgia Institute of Technology

Candidate for Bachelor of Science in Computer Science

Atlanta, GA

August 2013 - December 2018

EXPERIENCE

AT&T

Entertainment Group Summer Intern

El Segundo, CA

June 2017 - August 2017

- Crafted front-end for internal CDN manager, using Polymer, giving operators ability to view and update business rules
- Constructed Web API to exclude problematic CDNs from client selection using Java/Spring and Couchbase
- Wrote test suites to significantly expand application test coverage

Dell

Dell Financial Services IT Intern

Round Rock, TX

May 2016 - August 2016

- Wrote scripts to greatly expedite deployment to test environments
- Upgraded .NET applications to use TLS 1.2, restoring credit score vendor integration
- Created web application to bundle user tools & permissions to expedite onboarding using NodeJS, Angular, and Pure
- Wrote business logic to handle automated customer loan approval utilizing .NET and PL/SQL

Nead Werx

Junior Mobile Engineer

Atlanta, GA

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 data 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 for PHP

EXTRACURRICULAR

WREK radio station at the Georgia Institute of Technology

Webmaster, Radio DJ, & Engineering team member

Atlanta, GA

January 2016 - Present

- Maintain and update website to display announcements and currently scheduled shows
- Migrate old computers to XenServer hosted virtual machines
- Write numerous scripts to generate and analyze logs for FCC compliance
- Perform system administration tasks for Linux machines like HTTPS autorenewal and mail spam handling
- Radio DJ for experimental rock speciality show, *Psych-Out*

EnerCage

Undergraduate Researcher

Atlanta, GA

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 Raspberry Pi client to find other Pi systems within the network
- Wrote UART communication code to communicate with chip controlling rat cage

Georgia Institute of Technology Facilities Management

Student Assistant

Atlanta, GA

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
- Created boilerplate framework to ease creation of IAM protected maps

SKILLS

Languages: Java, Python, JavaScript, Bash, HTML/CSS, PHP, Bash, C#, C++, C, Objective-C, PL/SQL, Verilog, L^AT_EX

Frameworks & Platforms: jQuery, Polymer, NodeJS, Electron, Android, iOS, Spring, Apigee, .NET

Databases: PostgreSQL, MySQL, Couchbase

Tooling & System Administration: VIM, Docker, Vagrant, Git, XenServer