

# Raoul A. Rego

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## EDUCATION

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### Georgia Institute of Technology

Candidate for Bachelor of Science in Computer Science

Atlanta, GA

August 2013 - December 2018

## EXPERIENCE

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### AT&T

*Entertainment Group Summer Intern*

El Segundo, CA

June 2017 - August 2017

- Crafted front-end for internal CDN manager microservice using Polymer
- 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 business logic to handle automated customer loan approval utilizing .NET and PL/SQL
- 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 and Angular

### 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
- 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 which significantly decreased manual testing time
- Wrote Python/Perl/Bash hooks for GIT to verify code quality for PHP

## EXTRACURRICULAR

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### 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 Bluetooth communication code between rat cage chip and Raspberry Pi

### Georgia Institute of Technology Facilities Management

*Student Assistant*

Atlanta, GA

February 2017 - May 2017

- Wrote serveral 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

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**Languages:** Java, Python, JavaScript, Bash, HTML/CSS, PHP, C#, C++, C, Objective-C, PL/SQL, Verilog, L<sup>A</sup>T<sub>E</sub>X

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

**Databases:** PostgreSQL, MySQL, Couchbase

**Tooling & System Administration:** Docker, Vagrant, Git, VIM, XenServer, AWS, Heroku