

# 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 - August 2017

## 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 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
- Created framework to generate token for CDN authentication

### Dell

Dell Financial Services IT Intern

Round Rock, TX

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

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 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

## EXTRACURRICULAR

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### WREK radio station at 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 virtual machines hosted on a server running XenServer
- Wrote numerous scripts to generate and analyze logs for compliance
- Perform system administration tasks for Linux machines running our websites and mail server
- Radio DJ for "Psych-Out" speciality show

### 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 client to find Raspberry Pi systems within 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

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**Languages:** Java, Python, JavaScript, HTML/CSS, PHP, Perl, Bash, C#, C++, C, Objective-C, PL/SQL, VHDL

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

**Databases:** PostgreSQL, MySQL, Couchbase

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