

# Raoul A. Rego

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## EDUCATION

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### Georgia Institute of Technology

Candidate for Bachelors of Science in Computer Science

August 2013 - May 2018

## SKILLS

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Android & iOS development	Angular/React/jQuery	PL/SQL	Java	Git
Bash/Python/Perl scripting	NodeJS/Apache/GNIX	Qt/GTK+	PHP	.NET
GNU/Linux administration	Scrum methodology	Ruby on Rails	VHDL	Selenium

## EXPERIENCE

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### Georgia Institute of Technology Facilities Management

*Student Assistant*

**Atlanta, GA**

February 2017 - present

- Write many web applications to display campus map data for employees
- Replace employees' printed maps with robust and configurable web maps
- Created filters to allow different map symbology based on use case
- Created login system using Georgia Tech IAM to control employee map read and write access

### Dell

*Dell Financial Services IT Interns*

**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 Experian credit checking integration
- Created web application to bundle tools/permissions to expedite onboarding using NodeJS, Angular, and Pure
- Implemented significant functionality for DFS 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 customs 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

## PROJECTS AND INTERESTS

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### WREK radio station at Georgia Institute of Technology

*Radio DJ and Engineering team member*

**Atlanta, GA**

January 2016 - Present

- Maintain and update website to display announcements and currently scheduled shows
- Migrating 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 "Rock, Rhythm, and Roll" sound block

### 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 code in C++
- Created discovery server for client to find Raspberry Pi systems on the network
- Added functionality to display Raspberry Pi system status on an LCD
- Wrote UART communication code to communicate with chip controlling rat cage

### Projects and Other Achievements

- Portable 2G/GPS tracking device
- Georgia Tech Android portal
- "Light cycle" game for Nintendo DS
- Boy Scouts of America Eagle Scout recipient