

Education

University of Miami—Coral Gables, FL

Bachelor of Science, May 2016

- Computer Science & Geography Major—Mathematics Minor—GIS Certificate & Honors Program—3.8 GPA

Professional Experience

Mobile, Pervasive, Autonomous Communication Technology Lab, Florida International University—Miami, FL

REU Student, January 2015–April 2015

- Worked collaboratively with two others to create localization tools based on WiFi and LTE alternatives to GPS
- Created Android app for training & localization via WiFi using modern best practices like Fragment & DataProvider

Computer Science Department, University of Miami—Coral Gables, FL

Undergraduate Teaching Assistant, August 2014–Present

- Reviewed Java code for Intro to Programming with an emphasis on idiomatic, readable code
- Challenged small labs of Intro to Data Structures & Algorithms students with visualizations emphasizing edge cases

Physical Oceanography Distributed Active Archive Center, NASA Jet Propulsion Laboratory—Pasadena, CA

Science Data Engineering & Archiving Intern, June 2014–August 2014

- Consolidated existing metadata checkers for netCDF into a Python framework with verifiable suggestions
- Lowered cost & difficulty of compliance by creating a RESTful platform over a dependency-heavy local installation

Senzari, Inc—Miami, FL

Software Engineering Intern, March 2013–May 2014

- Led visualization for a Django dashboard written with Google Charts & CoffeeScript used to track visitor analytics
- Built one of the first FirefoxOS Apps, a MusicGraph querier with HTML5/jQuery Mobile, now rated 4 stars

Open Source Projects

compliance-checker

- Filed four bug reports about inaccurate results on edge case data with detailed reproduction steps and possible fixes
- Incorporated checker as a library by synchronizing code changes with monthly phone calls to the lead developer

Markovsecrets

- Utilized Python/Ruby parsers to grab and sanitize hundreds of pages from the RapGenius & Facebook APIs
- Developed a two-prefix Markov Chain model and generator for building sentences on a Heroku dyno

Skills

- Proficient in Python (5 years experience), JavaScript, Java, Unix, C (3 years), Android SDK (1 year)
- Working knowledge of Ruby, R, UML Modeling, API Design, \LaTeX

Activities and Honors

- “Improving Compliance for Earth Science Data Records” poster presented to Fall 2014 AGU
- Vice President of University of Miami’s Association for Computing Machinery (ACM)
- Tutor for University of Miami’s Camner Academic Resource Center (ARC)
- Recipient of the National Merit Scholarship
- Conversational French