

# Christian A. Rodriguez

Software Engineer & CODE2040 Alumni

## contact

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## languages, frameworks & tools

Python, Django, Flask  
HTML, CSS, JS  
Ruby, SQL, PHP  
C / C++  
Git, LaTeX  
Sage, Matlab

## education

2011–Now **Computer Science B.S.** University of Puerto Rico, Rio Piedras  
Major GPA: **4.0**, GPA: **3.95** Graduation Date: **May 2015**

## technical experience

Current **Cloud Elements - Software Engineer** San Juan, PR  
Designed & Developed the first wrappers for their API in Ruby, Python and PHP.  
Developed client projects that leverage the Cloud Elements platform.

Sum 2014 **Code for America (CODE2040 Fellow)** San Francisco, CA  
Worked with Puerto Rico Fellows and contributed 25%+ of their code base  
Improved the Code for America API by adding new endpoints and search filters.

Spring 2014 **aTiempo** San Juan, PR  
Ported all of the aTiempo admin interface from raw javascript to EmberJS

- Developed a platform to hold multi language phone conversations. (Flask, Twilio API)
- Designed a web app that provides crowd-sourced translation of technical docs. (Flask)
- Extended an Open Source Django extension for utilizing PostgreSQL array fields. (Django)
- Developed a web-hook to automatically backup Github repo's to Drive / Dropbox. (Ruby)
- Created a tracking system for archiving data on power outages in Puerto Rico. (Flask)
- Developed a Web Application for University Students to easily buy/sell books. (Django)

## research experience

2011–2014 **Emmy Noether Lab** University of Puerto Rico, Rio Piedras  
Paper selected to be published on the first edition of Ingenios  
Generating Permutation Trinomials over Finite Fields

Sum 2013 **TRUST REU Program** University of California, Berkeley  
Research intern under Daniel Aranki & Dr. Ruzena Bajcsy  
Project selected to be presented at the TRUST Autumn Conference.  
Improved a Machine Learning framework to learn Weighted Distance Functions.

Sum 2012 **SUAMI REU Program** Carnegie Mellon University  
Studied a Generalization of Mersenne Primes.

## recent activities & awards

- Major League Hacking Coach for University of Puerto Rico (Fall 2014)
- Second place at HackPR hackathon (Fall 2014)
- Top 10 Finalist in the Greylock Hackfest (Summer 2014)
- Winner of the 2nd Annual Hack4Diversity Hackathon (Summer 2014)
- Chosen to be part of the third class of CODE2040 Fellows (Summer 2014)
- President of the UPR, Rio Piedras, Computer Science Students Association (Fall 2014)
- Won Staff Choice award in HackPR 2014 Hackathon (Spring 2014)
- Participated in the First Codetrotters class of Fellows (Winter 2013)