

Christian A. Rodriguez

CODE2040 Fellow & Software Developer

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 and Mathematics B.S.** University of Puerto Rico, Rio Piedras
Major GPA: **4.0**, GPA: **3.9** Graduation Date: **May 2015**

technical experience

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

Jan 2014 **Cloud Elements (Codetrotters Fellow)** San Juan, PR
Designed & Developed the first wrappers for their API in Ruby, Python and PHP.

- Designed 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)
- 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
Research student collaborating with Dr. Ivelisse Rubio
Ongoing Work: Generating Permutation Trinomials over Finite Fields
Paper selected to be published on the first edition of Ingenios

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

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

recent activities & awards

- Top 10 Finalist in the Greylock Hackfest. (2014)
- Winner of the 2nd Annual Hack4Diversity Hackathon. (2014)
- Chosen to be part of the third class of CODE2040 Fellows. (2014)
- President of the UPR, Rio Piedras, Computer Science Students Association. (Fall 2014)
- Won Staff Choice award in HackPR Spring 2014 Hackathon. (2014)
- Presented Research Poster at the Joint Mathematics Meetings. (2014)
- Participated in the First Codetrotters class of Fellows (Winter 2013)
- Presented Research Posters at the SACNAS National Conference. (2012, 2013)