**Christian A. Rodriguez**

**(787)-566-3317 github.com/chrisrodz christian.etpr10@gmail.com**

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| **EDUCATION** |  |  |
| **Computer Science & Mathematics B.S.**   * **Major GPA: 4.0** * **GPA: 3.9** | **University of Puerto Rico – Rio Piedras**  Graduation Date: **May 2015** |

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| **WORK EXPERIENCE** | | | | | | | |
| **Summer Research Intern** | | | **UC Berkeley, CA** | | | | Summer 2013 |
| * Participated in TRUST REU program (https://www.truststc.org/) * Research on a Machine Learning Framework for Weighted Distance Functions | | | | | | | |
| **Summer Research Intern** | | | **Carnegie Mellon University, PA** | | | | Summer 2012 |
| * Participated in the SUAMI program (http://www.math.cmu.edu/cna/summer\_institute.html) * Researched a generalization of Mersenne primes * Designed & Proved a theorem for primality test and implemented a primality testing algorithm | | | | | | | |
| **Research Assistant** | | **University of Puerto Rico, Rio Piedras** | | | | | Aug 2011 to Present |
| * Research under supervision of Dr. Ivelisse Rubio (http://ccom.uprrp.edu/~labemmy/) * Ongoing Work: Studying a family of polynomials over finite fields * Proved a proposition that helps determine the size of the value set of these polynomials * Previous Work: Latin Squares generated by Permutation Polynomials * Proved a proposition to determine when two Latin Squares are MOLS | | | | | | | |
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| **TECHNICAL EXPERIENCE** | | | |  | | |  |
| * Designed & developed a Search Engine for movies as a class project (C++) * Web Application for student grade report management and analytics (PHP, jQuery, MySQL) * Tracking system for archiving data on power outages in Puerto Rico (Flask) * Web Application for University Students to easily buy/sell used books (Django) * Web Application that automates a pdf form fill out process for UPR Professors (Django, PostgreSQL) * Extended an Open Source Django extension for utilizing PostgreSQL native array fields (Django) | | | | | | | |
| **LANGUAGES, FRAMEWORKS & TOOLS** | | | | | | | |
| * Git * PHP | * Python / Django / Sage * HTML / CSS / JS | | | | * SQL * LaTeX | * C/C++ * Maple/Matlab | |
| **RECENT ACTIVITIES** | | |  | | | | |
| * Participated in the Puerto Rico Tech Summit Hackathon (2013) * Won best application award at Hackathon in Universidad Metropolitana (2013) * Participated in Startups of Puerto Rico Hackathon (2012) * Presented research poster at SACNAS National Conference (2012) | | | | | | | |