

# Bianca Ivelisse Colón-Rosado

## Undergraduate Computer Science Student

### Contact

bnkcolon.github.io  
+1-787-377-4114  
bianca.colon1  
@upr.edu

### GitHub

github.com/BnkColon

### Languages

Native Spanish  
Fluent English

### Programming

Python ★★★★★  
HTML ★★★★★  
C++ ★★★★★  
SQL ★★★★★  
PHP ★★★★★  
SML ★★★★★  
JavaScript ★★★★★

### Skills

Flask ★★★★★  
SiLK ★★★★★  
Web Dev ★★★★★  
Vagrant ★★★★★  
Docker ★★★★★  
git ★★★★★  
AWS ★★★★★  
React Native ★★★★★

### Operating Systems

Linux ★★★★★  
Mac OS X ★★★★★  
Windows ★★★★★

### Interests

Software Engineering  
Computer Networks  
Cybersecurity  
QA/Testing  
Backend  
DevOps

### Education

since 2013 **B.S. Majoring in Computer Science** University of Puerto Rico-Río Piedras Campus  
**Graduation Date:** December 2017

### Experience

2016 **IBM, Atlanta, GA** **Software Test Specialist Intern**  
Implemented a feature on a system administrator tool to automate the process of adding a malicious server to quarantine to protect the network.

since 2014 **Department of Computer Science**  
**University of Puerto Rico, Río Piedras** Employee  
Managed and maintained Linux/Unix servers and designed and maintained the computer science department web page.

### Projects

2016 **Cross Scanner**  
Team project, to work in a assistive technology solution that provides a mouse emulation through a simple interruptor for people with disabilities.

2016 **Prison Fellowship of Puerto Rico Databases**  
Designed and created the databases for a non-profit organization using Bottle: Python Web Framework and SQLite3.

2014 - 2016 **Techniques for Anomaly Detection in Network Flows** [bit.ly/bianca-flows](http://bit.ly/bianca-flows)  
Research: Implemented the Benford's Law Algorithm in Network Flows trying to find a general method to detect anomalies in network traffic.

### Activities

since 2016 **Techni-Coop**  
Co-founder and president of a cooperative with the mission to get high schoolers involved with technology, providing an undergraduate student as a mentor. The purpose is to give a real work experience of computer science.

since 2014 **UPR Cybersecurity Special Interest Group** [ccom.uprrp.edu/atackpr/](http://ccom.uprrp.edu/atackpr/)  
Participate in cybersecurity conferences, competitions, challenges and research.

since 2014 **#include<girls>** [includegirls.com/](http://includegirls.com/)  
Encourage and support women's academic, social and professional development in Computer Science.

2015 / 2016 **Women in Cybersecurity at Atlanta, GA 2015/Dallas, TX 2016** [csc.tntech.edu](http://csc.tntech.edu)  
Presented Poster: Techniques for Anomaly Detection in Network Flows: Benford's Law Implementation.

2015 **Computing Alliance of Hispanic-Serving Institutions Conference, San Juan, PR** [cahsi.cs.utep.edu/cahsisummit](http://cahsi.cs.utep.edu/cahsisummit)  
Presented Poster: Techniques for Anomaly Detection in Network Flows.