

Daniel Santiago-Rodríguez

danielsantiagz.github.io
danielsantiagz@gmail.com | +1 787.396.2840

EDUCATION

**UNIVERSITY OF
PUERTO RICO, RÍO PIEDRAS**
BS IN COMPUTER SCIENCE
Expected Dec 2016
Dean's List
Cum. GPA: 3.22 / 4.0
Major GPA: 3.60 / 4.0

LINKS

Github: [danielsantiagz](#)
LinkedIn: [Daniel Santiago](#)

COURSEWORK

UNDERGRADUATE

Databases
High Level Languages
Operating Systems
Compilers
Theory of computability
Cyber Security
Networking
Software Reverse Engineering
Discrete Mathematics
Computer Architecture
Software Engineering

SKILLS

PROGRAMMING

Fluent:

C++ • Bash • JavaScript • Python

LaTeX • Arduino

Proficient:

C • HTML • CSS • PHP

Assembly

Familiar:

Android • MySQL • Django • Flask

GDB • Angular JS • JQuery • Rails

PyGame • OpenSSL • PyCrypto

Metasploit • Ettercap • Burp Suite

Wire Shark • Netcat • Volatility

Hashcat • John the Ripper • Aircrack

Ruby • Java • Standard ML

ELECTRONICS

Soldering • Prototyping • Programming
Microcontroller Interfacing

LANGUAGE SKILLS

Fluent:

Spanish • English

EXPERIENCE

**UNIVERSITY OF PUERTO RICO, RÍO PIEDRAS CAMPUS | SYSTEM
ADMINISTRATOR OF COMPUTER SCIENCE DEPARTMENT**
Expected Jan 2016 - Dec 2016 | San Juan, PR

- Server Operating System maintenance (updates and upgrades)
- Software installations (tools, frameworks, etc) on servers and computers
- Computer maintenance (OS installation, disk cloning)
- Backups and external file system mounting
- Database management for mysql users
- Account creation and monitoring (create and expire accounts for the students and faculty members)

**UNIVERSITY OF PUERTO RICO, RÍO PIEDRAS CAMPUS |
INSTRUCTOR FOR ATTACKPR HS SUMMER CAMP**
Expected July 2016 | San Juan, PR

- Cyber Security summer camp for high school students
- Developed course exercises and taught the material to the students
- Prepared a Capture the Flag competition for high school students
- Developed pentesting demos
- Taught tools and techniques for security, simple networking, and cyber security theory (terms and definitions, protocols, common practices, etc)

RESEARCH

UPRRP RC-LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – July 2015 | San Juan, PR

Worked with Dr. Rafael Arce Nazario under the ATTACKPR scholarship for cyber security researchers to create S.A.M.S. (a secure Student Attendance Monitoring System), a proof of concept for demonstrating that hard encryption is possible in embedded systems and its limits. Implemented RC4 encryption for Arduino hardware. Developed an arduino shield for numeric keypad and LCD screen.

AWARDS

2016	Claude Shannon Scholarship	
2015	Tracerfire Capture the Flag	1st place
2015	Malware Conference Capture the Flag	2nd place
2015	CAHSI Conference Capture the Flag	2nd place
2015	Cyber Security Awareness Week Capture The Flag	
2015	Claude Shannon Scholarship	
2015	ATTACKPR Scholarship	

EXTRACURRICULAR ACTIVITIES AND PROJECTS

2016	Programmed an interactive python script for cracking md5 hashes using brute-force and dictionary attacks for demonstration purposes
2015	UPRRP Cyber Security Special Interest Group (until present)
2015	Programmed a python script to crack student credentials for UPR-RP student's webpage (miupi.uprrp.edu)
2014	Designed, built and programmed an arduino MIDI controller for playing around with music production