

KEVIN J. PONCE-GARCIA

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Objectives

Secure a position where I can efficiently contribute my skills and abilities to the growth of the organization and build my professional career.

Education

Computer Science

University of Puerto Rico at
Arecibo

Arecibo, P.R

GPA: 3.16

ABET-CAC Accredited

Computer Skills

- Operating System: Windows XP/Vista/8/10, Ubuntu, Debian, Mint
- Programming Languages: C++, PHP, SQL, RobotC, LabView, Python, MatLab
- CS Software: MySQL, Apache, Webmin, HTML Wordpress, Dreamweaver
- Other: Microsoft Office, Flash, Photoshop

Experience

Research Intern

Undergraduate Computer Research

05/2016 to 07/2016

Arbun Hill, MI

- Explore potential vulnerabilities in physical layer security methods like link signatures (LS) for wireless networks in an indoor office setting.
- Used MatLab to test over 26 different links, quantizing into 32 bins using 3 different Machine Learning Algorithms.
- Overall, we found that all algorithms perform almost equivalently, it was evident that such an attack is at least feasible and warrants further investigation.

Supervisor: Huirong Fu, Ph.D., Phone: (248) 370-4456

40 Hours/Week

PC Technician

University of Puerto Rico at Arecibo

02/2016

Arecibo, P.R.

- Maintain the Robotics Development Laboratory (RODEL) website.
- Keep RODEL's equipment inventory
- Install and configure robotics software
- Install, configure, maintain and upgrade the laboratory's computers

Supervisor: Eliana Valenzuela Andrade Ph.D., Phone: 787-815-000 ext 3305

10 Hours/Week

Web Developer

University of Puerto Rico at Arecibo

08/2015

Arecibo, P.R.

- Develop web applications using HTML5 and
- WordPress. Develop promotions using Photoshop
- Troubleshoot problems related to the network, computers, running Windows 8
- Entered data to the blog of the web page developed.

Supervisor: Eliana Valenzuela Andrade Ph.D., Phone: 787-815-000 ext. 3305

20 Hours/Week

Academic Experience

Poster Presentations:

- K.Ponce and J.Santana,"Using Lego Mindstorms to Develop a Unicycle", presented on the 2015 University of Puerto Rico at Arecibo Poster Symposium, May 2015.
- K.Ponce and J.Santana,"Using RobotC with Lego Mindstorms", presented on the 2015 University of Puerto Rico at Arecibo Poster Symposium, December 2015.
- K.Ponce and G.Beck, "Physical Layer Security", presented on the 2016 Mid-SURE at Michigan State University.
- K.Ponce and G.Beck, "Physical Layer Security", presented on the 2016 Symposium at Oakland University in Michigan.

Conferences and Awards:

- 2014:Top 4 best at CAHSI Hackathon.
- 2014:CAHSI Annual Meeting, March 2014 - Student Travel Grant Recipient
- 2016:36th Puerto Rico Interdisciplinary Scientific Meeting and 51th Junior Technical Meeting by PRLSAMP Oral Presenter
- 2016:Second Place at the 3 rd International Conference on Malicious and Unwanted Software (Malware 2016) Capture the Flag (CTF) Competition
- 2017:Second Places at VEX Robotics Competition in Puerto Rico.
- 2017:Winner of the first Smart City IoT Hackathon at Engine-4 in Bayamon, Puerto Rico.

Professional Affiliations

- UPRA Robotics Team in UPR of Arecibo - Vice President
- Computer Science Students Association in the UPR at Arecibo - Vocal