Amanda Justiniano- Pagán

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Objective: To obtain a full-time opportunity in software engineering with a focus on software development and software design that utilizes my industry experience, technical knowledge, and leadership skills.

EDUCATION:

Purdue School of Engineering & Technology, IUPUI - Indianapolis, IN Graduation: **Dec 2016**
Bachelor of Science in **Computer Engineering** Overall GPA: **3.35**

PROFESSIONAL EXPERIENCE:

Intel Corporation, Hudson, MA May 2016 – Present
High Performance Computing Group - Software Validation Intern
- Develop Ruby on Rails search tool using MongoDB and Elasticsearch search engine
- Provide support of software validation life cycle within product testing suites

Delphi Electronics and Safety, Kokomo, IN June 2015 – Aug 2015
Body Security /Passive Safety Group - Electrical Engineering Intern
- Managed and supported Dodge radio frequency key-fob development
- Developed key-fob tester using LabVIEW graphical-programming language
- Developed and implemented LabVIEW key-fob program using a vector signal analyzer instrument

Power Train Department /Diesel Engines Group - Software Engineering Intern June 2014 – Aug 2014
- Developed and implemented electromagnetic compatibility testing software using Visual Basic
- Designed and implemented user interface of internal XML file editor
- Provided automated process for EMC product testing and developed process improvement capabilities

Toyota Engineering and Manufacturing North America, Erlanger**,** KY Jan 2014 – May 2014
System Development Life Cycle and Scalable Development Team- Information Systems Co-op
- Collaboratively produced internal applications following system development life cycle
- Developed and implemented application requirement analysis and application design
- Consulted with users to assess application needs and system requirements

RESEARCH EXPERIENCE:

Smart Card Fault Attacks - IUPUI, Indianapolis, IN Aug 2015 - Present
Research Assistant
- Development of RSA encryption algorithm using Java (in progress)
- Attack EMV protocol and microprocessor smart card chip (in progress)

Toyota Automotive Simulation Institute (TASI) - IUPUI, Indianapolis, IN Aug 2012 – Dec 2013
Research Assistant
- Analyzed video components for the development of an automotive security system
- Extracted details from simulation data resulting in a developed and responsive security implementation

TECHNICAL SKILLS:
- C, C++, Ruby, Java, LabVIEW, Assembly, CodeWarrior
- Knowledge in Rails, Python, HTML, SQL, .NET, Visual Studio, XML, MATLAB, Pro-E, PSpice, UNIX, Swift
- Fluent in Spanish

ACTIVITIES, and LEADERSHIP EXPERIENCE:
HackMIT Hackathon Participant Sept 2015
- Designed and developed iOS application to help student practice and hone interviewing skills (in progress)

Career Ambassador for the School of Engineering and Technology Aug 2014 –Present
- Provide career services to students and alumni to aid prepare for interviewing and job opportunities

Treasurer, Society of Hispanic Professional Engineers (SHPE) Aug 2013 – May 2015
- Created 4,000 dollars in sponsorship opportunities for the IUPUI SHPE chapter

HONORS:
- Commitment to Engineering Scholarship Recipient Aug 2013 – May2015
- First Place Winner - National Institute for Leadership Advancement Conference (NILA) Aug 2013
- Diversity Scholars Research Program (DSRP) Aug 2012 –Present
- IUPUI Service Award Recipient 2012 –Present