Edwin O. Badillo Méndez

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Education

University of Puerto Rico at Mayaguez
Bachelor of Science in Computer Engineering

Expected Graduation Date: May 2015
GPA: 3.47/4.00

Work Experience

IT Leadership Program Intern   **GE Healthcare, Wisconsin**   **June 2014 to Aug 2014**

- Performed queries and corrected server information in device inventory for more than 500 servers in order to provide correct information to key support teams.
- Lead a team in the creation of a network device inventory to be used by GE Healthcare's shared services team.
- Designed and implemented a stock market website for GE employees using NodeJS, MySQL, PHP, JavaScript and JQuery.
- Completed the foundation for a self-service portal to provide IT the total cost of ownership estimates for new and current Hosted Technology Solutions customer environments.

Research Assistant   **University of Puerto Rico at Mayaguez**   **Aug 2012 to Dec 2013**

Project: Electromagnetic Computational Simulator

- Lead a team consisting of 5 undergraduate students in the development of a GPU-accelerated library to be used for conformal antenna design.
- Researched and implemented mathematical operations of sparse matrices for CUDA in C language.

Project: Biomedical Imaging Acceleration Testbed (BIAT)

- Worked on Hyperspectral Imaging Analysis and the development of an open-source cross-platform hyperspectral image detection library to be used for cancerous cell detection.
- Researched & implemented mathematical concepts & algorithms and performed unit testing for C language.

Internal Technology Intern   **Verizon Wireless, New Jersey**   **June 2013 to Aug 2013**

- Documented a new internal web application, to be used by the Commissions IT Department, Verizon Sales Representatives and Verizon Sales Managers.
- Designed and implemented various web pages for an internal web application using C# & SQL. This application allows Verizon Executive Directors and Business partners to view and create reports of Verizon Directors, Managers and Sales Representatives' overall sales statistics and commissions take rate.

Computer Repair Technician   **Freelance**   **Aug 2011 to July 2012**

- Performed essential troubleshooting and repairs for desktop and laptop systems.
- Performed hardware and software related repairs, built custom computers, did computer upgrades and set wired and wireless internal networks.

Projects

- **GalaRUM (2012).** Implemented various levels and obstacles for a Galaga like game. (Java)
- **Poker Memory (2012).** Implement the classic memory card game but with poker cards and combinations. (Java)
- **Algebra and Calculus with Polynomials (2012).** Implemented general math operations using linked lists. (Java)
- **Sorted Circular Doubly Linked List (2013).** Implemented a Sorted Circular Doubly Linked List with insertion sort and a JSP login, search, and insertion module to test the linked list's functionalities. (Java)
- **Python Scanner (2013).** Designed and implemented a lexical analyzer for Python in Java to compare with a lexical analyzer made using flex in C.

Languages, Frameworks & Tools

Java, C (CUDA, OpenMP, MPI), XHTML, CSS, T-SQL, PostgreSQL, MySQL, NodeJS, JavaScript, JSON, jQuery, jQuery Mobile

Affiliations

- Association for Computing Machinery
- Golden Key International Honor Society
- IEEE Circuits and Systems
- IEEE Computer Society – Secretary (7/2012 – 7/2013)