

Luis Flores

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EDUCATION

University of Illinois at Chicago (UIC)

Bachelor of Science in Electrical Engineering

May 2015

Cumulative G.P.A.: 3.3/4.0

ENGINEERING COURSE WORK

Principles of Automatic Control, Microprocessor Based Design, Computer Organization I, VLSI Design, Digital Logic and Design, Data Structures and Algorithms, Wireless Communications

ENGINEERING EXPERIENCE

WMS Gaming, Chicago, IL

Hardware Development Intern, Electrical Engineering

June 2014 to Aug 2014

- Tested, validated and improved test software used during functional testing
- Wrote, documented and executed functional testing for beta stage gaming machine hardware
- Designed schematics in Altium Designer, created dimension diagrams using AutoCAD and worked with a third party layout house and local part suppliers for a new meter board design
- Lead producer, editor and sound designer for intern video project

Wells-Gardner Electronics Corporation, McCook, IL

Engineering Intern

Jan 2014 to June 2014

- Deployed new firmware for preliminary testing and new hardware integration
- Ensured new firmware was bug-free by extensively testing LCD displays using signal generators and communicating results with senior software engineers
- Wrote console and GUI based Python tools, along with documentation, for internal use and to distribute to customers in order to facilitate monitor firmware updates and manufacturing assembly line testing

ADDITIONAL EXPERIENCE

UIC Campus Housing, Chicago, IL

East Area Security Supervisor

Jan 2013 to Jan 2014

- Managed 22 employees and reported to the Area Coordinators and Housing Officers
- Ensured the safety of approximately 1337 students across 4 residence halls by enforcing safety protocols, patrolling hallways and stairways while working alongside professional and student staff
- Developed improvements to workflow in order to enhance security and resident compliance

SKILLS

Computer: Working knowledge of HTML/CSS, MATLAB, Java, Python, C and Assembly programming, LTspice IV, AutoCAD, PADS, Altium Designer, Cadence IC Design Suite, Microsoft Office Suite, Adobe Creative Suite, working knowledge of Linux

Language: Native Spanish speaker; basic knowledge of French

HONORS & AWARDS

- College of Engineering, Dean's List (Fall 2010, 2012 & 2014)
- General Electric Scholarship and Mentorship Program Participant (Fall 2012)

MEMBERSHIPS

- Society of Hispanic Professional Engineers UIC Chapter, Historian Fall 2013
- Society of Hispanic Professional Engineers UIC Chapter, Member Aug 2010 to present