

Hector L. Ramos

ENTRY-LEVEL SOFTWARE ENGINEER

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"A journey of a thousand miles begins with a single step."

Education

Rutgers University(School of Engineering)

New Brunswick, NJ

B.S. IN ELECTRICAL AND COMPUTER ENGINEERING

May 2014

Relevant Courses: Programming Methodology, Discrete Mathematics, Computer Architecture and Assembly

Experience

C Squared Systems

Lyndhurst, NJ

RF DESIGN ENGINEER

April, 2015 - October, 2015

- Designed Distributed Antenna Systems to improve indoor cellular performance
- Conducted field surveys for indoor performance data
- Designed plans for future improvements with building engineers

Verizon Wireless

Branchburg, NJ

SYSTEM PERFORMANCE ENGINEER INTERN

June, 2013 - August, 2013

- Conducted field surveys for cell tower performance data
- Streamlined busy work by developing Microsoft Excel, Access, and Outlook macros in VBA
- Developed a macro which retrieved data from a server, organized it, made graphs, and sent an outlook email from one button press

Extracurricular Activity

Rutgers Underground Gaming Society Club

New Brunswick, NJ

PRESIDENT

September 2012 - May 2013

- Organized multiple events and gatherings for the club
- Ran gaming tournaments every semester

Skills

Languages Python, C++

Web Django, Javascript, JQuery, HTML, CSS

Other Git, SQL

Projects and Competitions

- 2015 **To-Do List**, Supports multiple users with authentication, uses django for the backend framework
- 2015 **HackNY**, Attended the 24 hour NYU hackathon
- 2015 **HackRU**, Attended the 24 hour Rutgers hackathon
- 2014 **Wireless Controller**, Senior design project, made wired PS2 controller perform wirelessly
- 2014 **Ultra-Wideband Receiver**, Simulated and designed a UWB wireless receiver using cadence
- 2014 **Poker Project**, Simplified Poker game done in C++ with a simple AI opponent
- 2014 **Shortest Path**, Uses Djikstra's algorithm to find shortest path in terms of cost, distance and danger
- 2013 **Big 10 Macro**, Excel macro queries data from a server, organizes, plots and sends outlook email