

RICARDO EDUARDO DE ARMAS

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EDUCATION

Massachusetts Institute of Technology (MIT) **Cambridge, MA**
B.S. in Chemical-Biological Engineering, Minor in International Studies GPA 5.0/5.0
Relevant Coursework: Chemistry, Introductory Biology, Organic Chemistry, Intro to Chemical Engineering, Thermodynamics & Kinetics, Differential Equations June 2015

John A. Ferguson Senior High School **Miami, FL**
Valedictorian in class of 1,014 students; SAT 1540/1600 GPA 4.0/4.0
June 2011

EXPERIENCE

Procter & Gamble - Duracell **Bethel, CT**
R&D Engineering Intern June 2012 – Aug. 2012

- Developed a portable charger prototype that charges 7x faster than the current market technology
- Analyzed consumer and industry insight to determine what market technology meets business objective
- Persuaded upper management to establish partnership with 2 manufacturers of the recommended technology
- Assessed breakthroughs needed to lower the cost of the charger, and proposed strategies to reduce cost by 60%

Electrochemical Energy Laboratory, MIT **Cambridge, MA**
Undergraduate Researcher Jan. 2012 – May 2012

- Investigated the atomic structure of thermo-electric materials, as part of a DOE project to increase solar capture
- Manufactured samples of thermo-electric material by using polishing and ion-milling techniques
- Doubled the manufacturing rate of samples, allowing the lab to achieve more experimental data in less time

U.S. House of Representatives **Miami, FL**
Florida Congressional Intern Aug. 2009 – Jan. 2011

- Assisted Constituent Aids by preparing 10+ case summaries daily and writing correspondence
- Updated and maintained records of constituent cases on a congressional database
- Compiled a list of 500+ schools in the district, which was used in the planning of community events

LEADERSHIP

Society of Hispanic Professional Engineers (SHPE) **Cambridge, MA**
Regional Representative May 2012 - Present

- Responsible for promoting attendance and organizing travel to regional and national events
- Serve as liaison between MIT SHPE and other Professional Chapters in the region

MIT Undergraduate Energy Club **Cambridge, MA**
Chairman of Education May 2012 – Present

- Organize and direct educational panels with audiences of 50+ to connect students to energy opportunities on-campus
- Create subcommittees of 4-6 members, delegate tasks, and manage groups for event planning

Youth Chamber of Commerce **Doral, FL**
Executive Board Member Sept. 2010 – June 2011

- Organized monthly workshops and networking events to promote entrepreneurship among teens in the community
- Delivered presentations on leadership, growth, and community service to audiences of 30+ students

ACTIVITIES

MIT Gates Scholars, *Campus Ambassador* Aug. 2011 – Present
MIT Golf Club, *Team Member* Aug. 2011 – Present

HONORS & AWARDS

Gates Millennium Scholar April 2011
Congressional Medal of Merit April 2011
President's Volunteer Service Award April 2011

SKILLS

Fluent in English and Spanish
Windows/Mac OS, Microsoft Office, Microsoft Project, Python, MATLAB