

Roger Rudolf S. Maranan

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518 Beacon St, Boston, MA 02215

Passionate designer with a strong engineering foundation looking to innovate in a fast-paced environment.

EXPERIENCE

Boston Startup School – Product and Design Track *June 2012 to Present*

- Currently in the Product and Design Track learning how to build user stories and personas, as well as use current tools to shape beautiful user experiences with online products

Research in Optimizing HVAC Systems - Research Assistant *Spring 2011 to Spring 2012*

- Worked in a team to design, coordinate, and execute experiments on heating, ventilation, and air-conditioning (HVAC) systems to optimize airflow in buildings and diagnose equipment status
- Created building models in eQUEST to simulate building performance to evaluate potential savings
- Performed Energy Use Intensity Analysis on Boston University Charles River and Medical Campuses
- Created Powerpoint presentations and edited several successful grant proposals

Executive VP of Member Development for Sigma Phi Epsilon BU Chapter *Spring 2011 to Fall 2011*

- Selected by the national office to be on the first Executive Board of the BU Chapter
- Developed four-year Balanced Man Program to develop members in the chapter
- Led committee in planning and execution of professional and personal development events for the chapter such as etiquette dinners, public speaking courses, self-defense class, and TED Talks-like presentations.

PROJECTS

Mechanical Shock Testing System – Senior Capstone Project *Fall 2011 to Spring 2012*

- Designed and manufactured pyrotechnic shock simulation testing device for nanosatellite components based on customer requirements and satellite program standards
- Designed components in Solidworks with tolerances; Designed data acquisition system using MATLAB
- Acted as liaison between team, suppliers, and industry contacts

Keurig Promotional Widget – Product Design *Spring 2012*

- Created CAD models and renderings for a promotional item designed to represent Keurig Inc.
- Managed stakeholders and team while designing promotional item

Klucky: Egg Cooker – Product Design *Spring 2012*

- Designed egg cooker considering user experience and functionality

GreenU Business Plan *Fall 2011*

- Developed business plan to address the reduction of electricity use in universities through real-time feedback of energy usage

EDUCATION

B.S. Mechanical Engineering, Boston University '12

GPA: 3.16/4.0

Awards: Engineering Scholars Award 2008-2012, Dean's List Spring 2011

SKILLS

MATLAB, Solidworks, COMSOL, eQUEST, Microsoft Office, Basic Drilling and Machining

ACTIVITIES

Sigma Phi Epsilon Fraternity, 2011-2012

BU Bodybuilding & Fitness Club (Founding Member), 2012

Research Mentoring Program, Summer 2011

Engineering Gov't.(Class of 2012), 2010-2011

BU Rugby Football Club - A-Side Player, 2010-2011

BU Ballroom Dance Club, 2008 – 2010