

Elizabeth Murphy
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EDUCATION:

MIT Class of 2015

Major: Course 3-Materials Science and Engineering

Minors: Energy Studies and Management

Jamestown High School

Graduated June 2011

QUALIFICATIONS:

- Attentive to details, reliable, and friendly worker
- Quick learner willing to work in any needed capacity

EXPERIENCE:

Summer 2012 **UROP in Electronic Materials Research Group** MIT, Cambridge, MA

- Trained to use Class IV lasers to measure the efficiency of various solar diodes
- Compiled and analyzed information using programs such as Excel and MATLAB
- Gave multiple presentations on work done to other students and faculty working in the Electronic Materials Group

Spring 2012 **Solar Cell Fabrication in 3.004: Principles of Engineering Practice** MIT, Cambridge, MA

- Worked throughout semester to create solar cell from plain silicon wafer
- Learned to use computer program PC1D, which simulates solar cells to maximize efficiency
- Gave weekly oral and written presentations on work

Summer 2011 **Assistant Swim Coach** Two Rivers Country Club, Williamsburg, VA

- Responsible for coordinating team wide events, leading practices, and providing lessons in stroke technique
- Arranged event lineup for the over fifty swimmers on the team in a timely manner while ensuring accuracy and fairness

CAMPUS ACTIVITIES:

August 2012 **DELTA FPOP Counselor** Cambridge, MA

- Attend weekly meetings to plan events for five days of pre-orientation programming for incoming freshmen
- Attend FPOP as a resource for incoming freshmen

Fall 2011-Spring 2013 **Vice President, Undergraduate Association Class Council** Cambridge, MA

- Coordinate class wide events to foster class unity
- Attend weekly meetings to discuss and plan events
- Work with Class Council officers to achieve goals

Spring 2012-Spring 2013 **Junior Pan-Hellenic Society Member** Cambridge, MA

- Foster campus spirit for the Greek community by coordinating campus wide events
- Organize various service activities to benefit both MIT and the surrounding communities