

## Katherine Emilie Mitchell

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MAJOR	B.S. Neuroscience (primary) and B.A. Government (secondary)
GPA	3.76 (Cumulative), 3.75 (Neuroscience), 4.0 (Government)
EDUCATION	2009-present The College of William and Mary, Class of 2013 2005-2009 St. Paul's School for Girls – Baltimore, MD (rank: 1 out of 72)

## RESEARCH & INTERNSHIPS

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**2011 (January – May) Project on International Peace and Security Internship:** One of six William and Mary undergraduates selected to be research assistants on projects developing unique policy solutions to U.S. national security problems. My project developed a policy brief examining the potential for algae biofuels as alternative energy sources to imports from unstable regions such as the Persian Gulf, as well as possible ways to construct an algae biofuel industry for international development purposes.

**2010 (May – September) Johns Hopkins University Applied Physics Lab Internship:** Worked in MERC / RAM department again (see below) as full-time, paid intern on various materials engineering projects, most significantly on fabrication and various treatments of graphene for optoelectronic device purposes.

**2009 (June-September) Johns Hopkins University Applied Physics Lab Internship:** Worked in the Milton Eisenhower Research Center (MERC)'s Research in Aerospace and Materials (RAM) group as full-time, paid intern on various materials projects including fabrication and testing of microencapsulated self-healing polymers and resin-impregnated cellulose / composite materials, as well as the structural properties of graphene (single atom-thick carbon layers). I presented the results of my summer work at APL's nanotechnology symposium in August 2009.

**2008 (July) National Science Foundation / Johns Hopkins University Internship:** One of six in state of Maryland selected for paid summer internship through JHU'S Materials Research Science and Engineering Center (MRSEC) on the study of nano- or micro-structured materials. Conducted research in Dept. of Chemical and Biomolecular Engineering on the self-assembly of nanoporous, sub-millimeter scale containers (micro-cubes) for drug delivery; presented at MRSEC symposium for JHU professors, students, etc.

## WORK EXPERIENCE

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**2011 (July) Johns Hopkins University Center for Talented Youth – Program Assistant:** Served as Program Assistant (PA) for "Through the Microscope," a class for gifted 3<sup>rd</sup> and 4<sup>th</sup> grade students at JHU CTY's St. Paul's day site for one three-week session. As a PA, I was responsible for evaluating students' classroom performance, assisting the class instructor with running experiments and devising lesson plans, as well as supervising the students during breaks, extracurricular activities, and after-care.

## AWARDS

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**Class of 2013 Murray Scholarship:** The Murray Scholarship is given to four incoming freshmen each year at the College of William and Mary. It is a merit scholarship that is awarded to students that show promise as researchers and independent thinkers. It includes full tuition, room and board at the in-state level, as well as a research stipend to be used for an independent project conducted after one's sophomore or junior year at the College.

**Class of 2013 Monroe Scholars Program:** The Monroe Scholars Program includes approximately the top 5% of each incoming class at the College of William and Mary. It provides opportunities to present research as well as resources to conduct research projects in and beyond the William and Mary community.

2009-2011 Dean's List (Fall 2009, Fall 2010, Spring 2011)

2009-2011 Invitation to National Society of Collegiate Scholars, Golden Key Honor Society

## EXTRACURRICULAR ACTIVITIES

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2011 Member of Pi Sigma Alpha Government Honor Society; PSA Journal Peer Reviewer

2010-present:

Member of Gamma Phi Beta Sorority; Parliamentarian

Member of the William and Mary Debate Team

The Monitor, William and Mary's Undergraduate Journal of International Studies

- Peer reviewer for journal submissions

- 2011 Executive Board: Copy Editor

2009-present:

Member of DoubleTake, William and Mary's competitive co-ed a cappella group

Member of the William and Mary International Relations Club

- Director, Historical NATO – 1956 at William and Mary High School Model United Nations (WMHSMUN) XXIII

- Chief of Staff, WMHSMUN XXIV Secretariat

- Director-General, WMHSMUN XXV Secretariat

- Delegate to conferences at Georgetown, University of Pennsylvania, and McGill