

# Nathan Tillman Belcher

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Electronic Portfolio: <http://nathanbelcher.wmwikis.net/>

757.345.9721

**Objective:** To teach physics and/or mathematics and coach soccer or basketball during the 2011-2012 school year.

## Education:

**The College of William and Mary**, Williamsburg, VA  
Master's of Arts in Education, Secondary Science Curriculum and Instruction  
GPA: 3.96 (Overall), May 2010  
Certification Areas: Physics and Math  
Inducted into Kappa Delta Pi, an education honors fraternity  
Selected as a recipient of the Robert Noyce Scholarship  
Selected as the recipient of The Mary Faust Galfo Science Teaching Award

**The College of William and Mary**, Williamsburg, VA  
Bachelor's of Science, Physics  
GPA: 2.98 (Overall), January 2009  
Selected Monroe Scholar based on academic excellence; awarded \$3,000 summer research grant

## Teaching and Research Experience:

### Grafton High School

*Teacher* 2010-2011

- Taught AP Physics and Introductory Physics
- Participant in School-Based Technology Committee

### Berkeley Middle School

*Student Teacher* 2010

- Taught 8<sup>th</sup> Grade Physical Science

### Williamsburg Christian Academy

*Teacher* 2009

- Taught High School Physics, AP Calculus, and Geometry

### Department of Physics, The College of William and Mary, Prof. Irina Novikova's Laboratory

*Research Assistant* 2007-2008

- Published Paper "Performance of atomic clocks based on lin||lin coherent population trapping resonances" in Journal of the Optical Society of America B, March 2010
- Published Paper "Atomic clocks and coherent population trapping: Experiments for undergraduate laboratories" in American Journal of Physics, November 2009
- Wrote Paper "Optimization of a prototype atomic clock based on coherent population trapping" for William and Mary Research Experience for Undergraduates Program, August 2008
- Wrote Paper "Development of a prototype atomic clock based on coherent population trapping" for Senior Thesis, May 2008
- Presented Talk "Development of a prototype atomic clock to observe and characterize coherent population trapping" at William and Mary Charles Center Science Symposium, February 2008
- Wrote Paper "VCSEL laser system for atomic clocks" for William and Mary Research Experience for Undergraduates Program, August 2007

**Heinrich-Heine-Universität, Düsseldorf, Germany***Intern, DAAD-Research Internships in Science and Engineering Program*

2006

- Wrote Paper “Fabrication of a laser for use in an ytterbium optical clock” for William and Mary Monroe Project Requirements, August 2006
- Presented Poster “Fabrication of a laser for use in an ytterbium optical clock” at William and Mary Showcase of Summer Scholarship, September 2006

**Thomas Jefferson National Accelerator Facility, Newport News, VA***Summer Internship, Student Intern, Instrumentation & Controls Department*

2005-2006

- Presented Poster “GC power supply” at the American Academy for the Advancement of Science National Conference, St. Louis, Missouri, February 2006

**Extracurricular Activities:****Baptist Collegiate Ministries, The College of William and Mary***Associate Campus Minister*

2008-2010

- Facilitate Bible studies to develop knowledge and foster relationships
- Lead and participate in missions trips to New York City, New Orleans area, Jamaica, and the Bahamas
- Organize and participate in weekly large group gatherings

**The College of William and Mary Varsity Soccer***Member*

2006-2008

- Coaches’ Award, February 2007 and 2008

References available upon request.