

## Blaine Ayotte

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### EDUCATION

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#### UNDERGRADUATE:

BS, Physics and Mathematics, May 2017, **St. Lawrence University**, Canton, NY  
Physics Major GPA: 3.889/4.000; Math Major GPA: 3.875/4.000; Overall GPA: 3.821/4.000  
Honors and Awards: Phi Beta Kappa Honor Society (2017), Mary Reklis Award (2016): Awarded to recognize an outstanding junior physics student, Donald C. Peckham Physics Merit Award (2015): Awarded to a rising junior or senior demonstrating excellence in physics, Sigma Pi Sigma Physics Honorary Society (2015), Pi Mu Epsilon Mathematics Honorary Society (2014), Awarded Deans List multiple times.

#### GRADUATE:

MS, Electrical and Computer Engineering, **Clarkson University**, Potsdam, NY  
Expected Date of Graduation: May 2019

### WORK EXPERIENCE

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| <b>St. Lawrence Peterson Quantitative Resource Center</b> , <i>Mentor/Tutor</i> , Canton, NY   | Fall 2014-Spring 2017 |
| <ul style="list-style-type: none"><li>• Assist students with mathematics, statistics, and physics</li><li>• Teach students how to utilize LaTeX, Wolfram Mathematica, and Excel</li></ul>  |                       |
| <b>St. Lawrence University Mathematics Department</b> , <i>Teaching Assistant</i> , Canton, NY   | Fall 2015-Spring 2017 |
| <ul style="list-style-type: none"><li>• Aid Dr. Daniel Look in the grading of student work for calculus 1 and 2</li><li>• Chosen for proficiency in various mathematical disciplines</li></ul>                                     |                       |
| <b>Smokey's Kitchen</b> , <i>Wait Staff and Catering</i> , Truckee, CA   | Summer 2015 and 2016  |
| <ul style="list-style-type: none"><li>• Collaborated with other wait staff to maximize efficiency and excellent customer service</li><li>• Worked as a caterer doing variety of tasks including weddings and concessions</li></ul> |                       |

### CO-CURRICULAR EXPERIENCE

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| <b>St. Lawrence University Men's Nordic Ski Team</b> , <i>Team Member</i> , Canton, NY   | Fall 2013-Spring 2017 |
| <ul style="list-style-type: none"><li>• Awarded U.S. Junior National Skiing All-American (2014, 2015)</li><li>• Awarded U.S. Collegiate Ski Coaches Association's All-Academic Team (2014, 2015, 2017)</li></ul> |                       |
| <b>St. Lawrence University Men's Cross Country Running Team</b> , <i>Team Member</i> , Canton, NY  | Fall 2016             |
| <ul style="list-style-type: none"><li>• Attend weekly practices</li><li>• Raced in important pre-Regionals meet in Rowan New Jersey</li></ul>  |                       |

### RESEARCH EXPERIENCE

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#### UNDERGRADUATE:

Building a low-cost Stokes polarimeter to make research involving polarized light more accessible to a wider community.

#### GRADUATE:

Working to create a behavioral biometric for smartphone authentication from touch information, location, and other features. This involves writing an android application to collect data from users and as well as analyzing the data using machine learning techniques.

### SKILLS

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Proficient in MS Office, LaTeX (PDF Writer), Wolfram Mathematica, Python, and familiar with MATLAB and Android Studio.