

Alexa G. Tsintolas

8415 Rapley Ridge Lane, Potomac, MD 20854

4agt@comcast.net • 301-807-0760

<https://www.linkedin.com/in/alexatsintolas>

EDUCATION

Bachelor of Science in Mathematics May 2017
Minor in Philosophy GPA 3.7
University of Maryland, College Park, MD

HONORS

Primannum Honor Society January 2014-present
University Honors Program: Honors College Living and Learning Community August 2013-present
University Honors Citation April 2016
President's Scholarship, University of Maryland August 2013-May 2017

RELATED EXPERIENCE

Undergraduate Teaching Assistant Internship

Honors Technical Writing, College Park, MD August 2016-present

- Leading class discussions on readings, grammar, and principles of technical writing
- Developing and delivering lesson plans
- Grading online discussions and peer reviews
- Taking courses on writing pedagogy and developing teaching skills
- Producing a portfolio of lesson plans and reflections on the scholarship of teaching writing

Author

October 2015-present

Math Major Survival Guide, College Park, MD

- Revised and edited a 58 page pamphlet to assist UMD mathematics majors achieve success in their coursework, originally written for technical writing course final project
https://www-math.umd.edu/images/pdfs/Math_Major_Survival_Guide.pdf
- Discussed concerns and suggestions with the mathematics department undergraduate chair, a mathematics department advisor, and 2 student reviewers

Group Leader

March 2014

Keys to Empowering Youth, College Park, MD

- Guided a group of 15 middle school age girls through 4 engineering activities to teach them about STEM

Sensors, Controls and Payload Delivery Subsystem Member, Treasurer, and Secretary

August 2013-December 2013

Autonomous Hovercraft Project; Introduction to Engineering Design, College Park, MD

- Collaborated with a group of 10 students to design, build, and test an autonomous hovercraft on a deadline of 3 months
- Managed team expenses and created a Bill of Materials to keep within budget
- Developed and maintained a website to serve as the team log and facilitate communication between subgroups:
<http://teamdhovercraft.weebly.com/>

ACTIVITIES

Participant

August 2015-May 2016

Directed Reading Program, College Park, MD

- Paired with a graduate student in mathematics to work on a semester-long mathematics research project
- Completed 4 hours of reading a week on problem solving strategies
- Discussed reading with mentor during weekly hour long meetings
- Delivered an informal 12 minute oral presentation to an audience around the size of 20 to share research
- Fall: Researched the mathematics of games, including Sudoku and Dots and Boxes, to find solutions and winning strategies
- Spring: Investigated how principles of topology can be applied to solving disentanglement puzzles

Member

August 2014-May 2015

Primannum Communications Committee, College Park, MD

- Wrote articles on Primannum Honor Society and UMD news for the monthly Primannum online newsletter:
<https://primannumumd.wordpress.com/newsletter/>
- Designed flyers for the society's social media outlets using Microsoft Publisher to inform members about upcoming events