Lily Wittle

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Work Experience

- Software Development Intern at Reinventing Geospatial, Inc. (RGi)   Winter 2016-17
  Researched prediction and optimization techniques. Created a prototype product, including user interface and backend support.
- Software Development Intern at RGi   Summer 2016
  Developed and integrated software products to facilitate geospatial dissemination and analysis for the U. S. Army.
- Game Master at Escape Artist DC   Summer 2015

Research Experience

- NOAA Hollings Intern at Geophysical Fluids Dynamics Laboratory   Summer 2018
  Modeled oceanic mixing through the Southern Ocean's Orkney Passage with the MIT circulation model, focusing on the effect of topography.
- Undergraduate Researcher at Fresno State Mathematics NSF REU   Summer 2017
  Investigated the phase retrieval problem in Fourier analysis. Presented findings at AMS/MAA Joint Mathematics Meetings 2018. Published paper in SIAM Undergraduate Research Online (doi.org/10.1137/17S016610).
- Undergraduate Researcher at the University of Miami   Fall 2016 to Present
  Analyzing air-sea interaction in high winds and fluid flows with data collected in a wave tank, under Dr. William Drennan.

Skills

- Experienced with Python, Matlab, Java, JavaScript, SQL, HTML, CSS, and Fortran.
- Experienced with Macintosh, Windows, and Linux systems.

Activities and Honor Societies

- Omicron Delta Kappa   2018 to Present
- Women in Technology (WIT)   2018 to Present
- Rho Rho Rho – University of Miami Marine Science Honor Society   2016 to Present
- University of Miami Division I Women's Rowing Team   2015 to 2018

Academic Awards

- NOAA Hollings Scholar   2017 to Present
- Robert L. Kelley Award (Outstanding Junior Math Major)   2018
- Arthur Ashe Jr. Sports Scholar   2017
- CRCA National Scholar Athlete   2017 and 2018
- President's Honor Roll, Provost's Honor Roll, and Dean's List   2015 to 2018
- University of Miami Presidential and Gables Scholarships   2015 to Present
- National Merit Finalist and Scholarship (ongoing)   2015 to Present

Education

- University of Miami, Coral Gables, FL   2015 to Present (Expected graduation: May 2019)
  Triple majoring in marine science, computer science, and applied math at the Rosenstiel School of Marine & Atmospheric Sciences. GPA: 4.0
    - *Computer science courses include Software Engineering, System Programming, Algorithm Analysis, and Computer Architecture.*
    - *Graduate level mathematics courses include Linear Algebra, Complex Analysis, Real Analysis I, Abstract Algebra I.*
- Thomas Jefferson High School for Science & Technology, Alexandria, VA   2011 to 2015