

# Frederick Robinson

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## Education

- 2012 **Bachelor in Mathematics with Honors**, *Northwestern University*.  
2008 **High School Diploma**.

## Honors and Awards

- 2012 Robert R. Welland Prize for Outstanding Achievement in Mathematics by a Graduating Senior

## Undergraduate Thesis

- Title *Persistent Homology*  
Supervisor David Nadler  
Description An investigation of Persistent Homology: “an algebraic method for measuring topological features of shapes and functions”

## Computer skills

- Proficient Go, Mathematica, Python  
Basic Java, C  
Miscellaneous Windows, Microsoft Office, Linux, L<sup>A</sup>T<sub>E</sub>X

## Qualities

- Personal skills: Strong analytical, problem-solving and communication skills, eager to learn and develop new skills  
Experience with:

## Jobs

- 2012-2013 **Teaching Assistant**, *Description*.

## Research Programs

- Date **Tropical Geometry**, *Description*.  
Date **ANT**, *Description*.  
Date **Indiana REU**, *Description*.

## Languages

- English **Fluent**  
Spanish **Proficient**

## Publications

- [1] Frederick Robinson and Michael Wurtz. On the magnitudes of some small cyclotomic integers. *Acta Arithmetica*, 160(4):317–32, 2013.