

Thomas McHale
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Freshman at UW Madison

Education

Montgomery Blair High School 2009-2013
Math, Science, Computer Science Magnet

University of Wisconsin - Madison 2013-2017 (expected)
GPA: 3.73

Work Experience

Summer Intern - Carnegie Institution of Washington
June-August 2012 and May-August 2012

Wrote bash scripts for molecular dynamics simulations and python for data processing. Wrote academic reports and made a presentation with \LaTeX . Read papers on condensed matter theory. Supervised by Dr. Ronald Cohen.

Relevant Coursework

- Physics 711 - Dynamics - AB
- Physics 721 - Electrodynamics - In progress
- Math 567 - Number Theory - A
- Math 541 - Modern Algebra - A
- Math 551 - Elementary Topology - In progress
- Math 542 - Abstract Algebra - In progress

Programming Languages

- Some knowledge of Java, the bash shell
- Experience working with FORTRAN, python
- Capable of writing papers using \LaTeX

Skills

- High school shop skills including soldering
- Proficiency in French

Awards and Honors

- UMD Mathematics Competition 2012 Honorable Mention
- Dean's List Fall 2013

Extracurricular Activities

- UW Madison Physics Club - 2013-
- UW Madison oSTEM - 2013-