

Charles Wang

Personal Information

- Address: 1959 Fields Pond Drive
Marietta, GA, 30068
- Email: charles.wang@gatech.edu
- Date of Birth: 19 Oct. 1993
- Citizenship: United States

Education

- **Georgia Institute of Technology**, Atlanta, Georgia
Expected graduation: May 2017
Overall GPA: 3.97
 - **B.S.** Math
 - **B.S.** Computer Science: Theory and Intelligence
 - **B.S.** Chemistry
- **Budapest Semesters in Mathematics**, Budapest, Hungary
Spring 2016

Papers

- Fatemeh Mohammadi, Caroline Uhler, Charles Wang, and Josephine Yu; *Generalized Permutohedra from Probabilistic Graphical Models*; Submitted. (preprint)

Awards and Honors

- President's Undergraduate Research Award (2016)
- Undergraduate Award in Analytical Chemistry (2015)
- William M. Spicer Scholarship in Chemistry (2015)
- Score of **28** (top 500) on Putnam exam (2014)
- William M. Spicer Outstanding Senior Award in Chemistry (2014)
- Hypercube Scholar (2014)
- Score of **10** on Putnam exam (2013)
- National Merit Scholarship (2012-present)
- Zell Miller Scholarship (2012-present)
- Siemens Award for A.P. (2012)

Research Experience

- Combinatorics: Study of construction and properties of polytopes arising from various sources with possible applications in optimization and biostatistics
Advisor: Josephine Yu
2015-present
- Analytical Chemistry: Development of instrumentation and procedure for synthesis of atomic gold clusters on polyaniline support to study novel catalytic properties
Advisor: Jiri Janata
2013-present

Skills

- Programming Languages:
 - Python
 - C
 - Java
- Software
 - Sage
 - Polymake
 - Mathematica
 - Macaulay 2
 - gfan

Activities

- Summer School in Real Algebraic Geometry and Optimization
- Summer School in Algebra, Statistics, and Combinatorics
- Summer School in Economics and Tropical Geometry