

Education

- 2010–2014 **University of Rochester**, Rochester, NY.
- Bachelor of Science in mathematics.
 - Received the **Renaissance and Global Scholarship** (four-year full-tuition merit award).
- Fall 2012 **University of Oxford**, Oxford, UK.
- Studied models of computation and mathematics of decision theory as a visiting student.
 - Received the **St. Catherine's College Book Prize** for academic excellence.

Selected honors

- 2012, 2013 **Goldwater Scholarship**.
- 2012, 2013 **Astronaut Scholarship Foundation Award**.
- 2012 **IES Abroad Scholarship for Excellence in the Sciences**.
- 2009 **Siemens Competition in Math, Science and Technology** – Regional finalist.
- Awards from the University of Rochester**
- 2012 **Stoddard Prize in Mathematics** (awarded to the top 3 of about 100 sophomore math majors).
- 2012 **Deans' Award** for talk given at the Undergraduate Research Exposition.
- 2012 **Winner of the Undergraduate Writing Contest** for academic writing.
- 2010 **Research and Innovation Grant**.
- Mathematics competition results**
- 2010, 2011 **Putnam Competition** – Percentiles: 93rd and 92nd (ranks: 294th/4296 and 349th/4440).
- 2009 **British Mathematical Olympiad** – Bronze medal (top 100 of about 1300 BMO qualifiers).

Publications

- 2013 *Herschel/PACS spectroscopic survey of protostars in Orion: The origin of far-infrared CO emission*. P Manoj, DM Watson, DA Neufeld, ST Megeath, R Vavrek, **V Yu**, R Visser, EA Bergin, WJ Fischer, JJ Tobin, AM Stutz, B Ali, TL Wilson, J Di Francesco, M Osorio, S Maret, and CA Poteet. *Astrophysical Journal* 763:83. [doi:10.1088/0004-637X/763/2/83] [arXiv:1211.2234]

Selected presentations

- May 2016 *Circadian rhythms in bipolar disorder: An overview*. **V Yu**. Talk given at the Astronaut Scholar Technical Conference, Orlando, FL.
- May 2012 *An argument for epistemological skepticism from the consequences of quantum mechanics*. **V Yu**. Paper and talk presented at the Undergraduate Writing Awards Reception, University of Rochester, NY.
- Apr 2012 *Herschel spectroscopy of protostars in Orion: Far-infrared CO emissions*. **V Yu**, P Manoj, and DM Watson. Talk given at the 31st Rochester Symposium for Physics Students, Siena College, NY.
- Apr 2012 *Studying the evolution of protostellar envelopes with infrared spectroscopy*. **V Yu**, P Manoj, and DM Watson. Talk given at the Undergraduate Research Exposition, University of Rochester, NY.
- Oct 2011 *Problems in number theory*. **V Yu**. Lecture given at the Rochester Area Math Circle, University of Rochester, NY.
- Nov 2009 *A prediction of nanocomposite permeability from Monte Carlo simulations and the implications of the constrained polymer region*. **V Yu**, S Gogia, and P Kim. Paper, talk, and poster copresented at the regional finals of the Siemens Competition, University of Texas at Austin, TX.