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EDUCATION

- **University of Michigan**, Ann Arbor, Michigan.
Ph.D. in Mathematics (2003).
Thesis: Optimal elliptic curves, discriminants, and the degree conjecture over function fields.
Advisor: Brian Conrad.
- **Yerevan State University**, Yerevan, Armenia.
Diploma with Highest Honors in Mathematics (1997).

EMPLOYMENT

- **Pennsylvania State University**, University Park, Pennsylvania.
Professor of Mathematics (2020–present).
Associate Professor of Mathematics (2014–2020).
Assistant Professor of Mathematics (2007–2014).
- **Stanford University**, Stanford, California.
Szegő Assistant Professor of Mathematics (2003–2007).

VISITING POSITIONS

- **National Center for Theoretical Sciences**, Hsinchu, Taiwan (June 2018, June 2019, October 2022 – December 2022).
- **Max-Planck-Institut für Mathematik**, Bonn, Germany (September 2004–October 2004, February 2016–June 2016).
- **Taida Institute for Mathematical Sciences**, Taipei, Taiwan (November 2012, October 2015–November 2015).
- **Universität des Saarlands**, Saarbrücken, Germany (November 2004–February 2005, September 2008–April 2009, April 2011–June 2011).
- **Institut des Hautes Études Scientifiques**, Bures-sur-Yvette, France (March 2005–August 2005).

RESEARCH INTERESTS

- **Number Theory and Arithmetic Geometry**
Drinfeld modules and their generalizations; Modular varieties; Elliptic curves and abelian varieties; Non-Archimedean geometry; Automorphic forms.

RESEARCH SUPPORT

- **Simons Foundation**, Collaboration Grant, Award Number 637364 (2019–2024); PI.
- **National Security Agency**, Conference Grant, H98230-18-1-0103 (2018–2019); PI.
- **Institute for Mathematics and its Applications**, Conference Grant, (2018–2019); PI.
- **National Science Foundation**, Conference Grant, DMS-1709350 (2017–2018); PI.
- **National Security Agency**, Young Investigator Grant, H98230-15-1-0008 (2015–2017); PI.
- **Simons Foundation**, Collaboration Grant, Award Number 245676 (2012–2017); PI.
- **National Science Foundation**, Meetings Grant, DMS-0963728 (2010–2013); co-PI.
- **National Science Foundation**, Standard Grant, DMS-0801208 (2008–2011); PI.
- **Humboldt Foundation**, Research Fellowship (2008–2009).
- **European Post-Doctoral Institute**, Research Fellowship (2003–2005).

HONORS

- **Emil Artin Junior Prize** (2005).
- **Clay Mathematics Institute LiftOff Fellow** (2003).
- **Cornwell Prize in Mathematics**, University of Michigan (2003).
- **Rackham Predoctoral Fellowship**, University of Michigan (2002).
- **Diploma with Highest Honors**, Yerevan State University (1997).

GRADUATE STUDENTS SUPERVISED

- Sheng-Yang Ho, Ph.D., Penn State, current student.
- Jeffrey Katen, Ph.D., Penn State, current student.
- Chien-Hua Chen, Ph.D., Penn State (2022)
Thesis: On surjectivity of adelic Galois representation for Drinfeld modules.
- Sumita Garai, Ph.D., Penn State (2020).
Thesis: Endomorphism rings of reductions of Drinfeld modules.
- Ashley Jairam, M.A., Penn State (2015).
Thesis: Multiple Approaches to Proving that a Ring is a Non-Euclidean PID.
- Ryan Flynn, Ph.D., Penn State (2013).
Thesis: Quaternion Algebras and Elliptic Curves over Function Fields.
- Supratim Ghosh, M.A., Penn State (2013).
Thesis: Determining Conjugacy Classes of Matrices over \mathbb{Z} using Ideal Classes.