Résumé

Contact

Name: Aaron Michael Silberstein

Born: April 4, 1984, Los Gatos, CA

Citizenship: US

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Education

Harvard University: PhD in mathematics 2007–2012

Princeton University: AB *magna cum laude* in mathematics, certificate in linguistics 2002–2007

Professional Experience

University of Chicago: NSF Postdoctoral Fellow/L.E. Dickson Instructor of Mathematics . 2014–2017

University of Pennsylvania: Hans Rademacher Instructor of Mathematics 2012–2014

Selected Awards and Honors

NSF Postdoctoral Fellowship 2014–2017

Simons Foundation Travel Grant 2013–2014

NSF Graduate Research Fellowship 2008–2012

DoD National Defense Science and Engineering Graduate Program Fellowship 2008–2011

Josephine de Karman Fellowship 2006–2007

Languages

Spoken Languages (in order of fluency): English (native); Romanian (fluent); Bosnian/Croatian/Serbian, French, Spanish (conversational); Hungarian (reading/writing), Russian (reading).

Computer languages: (LA)TEX, Python (Fluent); Java, C, C++, Ruby, Javascript, HTML (Conversant).

About Me

I exploit the unity of mathematics to obtain concrete results.

I am keenly interested in combining the full power of modern technology, machine learning, and mathematical modeling to understand our world, for fun and profit.

In pure mathematics, I am interested in the structure of absolute Galois groups, spaces whose geometry is determined by their π_1's, and algebraic and arithmetic geometry of all sorts, with an eye towards making rigidity theorems explicit and applicable to answer foundational questions in algebraic, arithmetic, and differential geometry.

I learn deeply and quickly, and I consider effective communication an important part of all I do.

My website on `github` hosts my publicly available projects and updated vitæ and résumé, and enjoys frequent updates.

Please feel free to contact me with questions, commissions, job offers, and requests.