Michael Zhang

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EDUCATION

University of California, Berkeley — **Berkeley, CA**
B.A. in Computer Science, Mathematics , and Economics — Expected May 2017

- GPA: 4.0/4.0, SAT: 2400

WORK EXPERIENCE

Palantir Technologies — **Palo Alto, CA**
Forward Deployed Software Engineer Intern — May – August 2015

- Will build custom extensions to Palantir's core platform for clients.

Redfin — **San Francisco, CA**
Software Developer Intern — May – August 2014

- Implemented new version of key reusable UI widget on main listings page of the website.
- Refactored backend on widget to use new data serialization format to improve performance and extensibility.
- Developed embeddable widget from scratch for third party sites, optimized for SEO and A/B testing.
- Created internal data visualization and analytics tool using Python, Java, multiple APIs and PostgreSQL.

UC Berkeley Economics Department — **Berkeley, CA**
Research Assistant — February 2014 – May 2015

- Assisted in design and execution of empirical economic studies with Professor Stefano DellaVigna.
- Examined literature and helped design a randomized controlled trial related to evaluating expert predictions.
- Reviewed literature in the economics of media and the empirical pricing behavior of commercial firms.

MIT Mathematics Department — **Cambridge, MA**
Research Intern — January 2011 – January 2012

- Conducted graduate level research in theoretical mathematics (representation theory and algebraic geometry).
- Presented at conferences, coauthored paper with Prof. Pavel Etingof, and named a Siemens Regional Finalist.

Ross Mathematics Program, Ohio State University — **Columbus, OH**
Junior Counselor — Summer 2011

- Tutored elite math students from around the world in number theory and abstract algebra.

PUBLICATIONS AND PREPRINTS

Poisson Traces in Positive Characteristic (w/ Y. Chen, P. Etingof, and D. Jordan) — 2012
arXiv:1112.6385v1 [math.SG], Submitted to *Journal of Applied and Pure Algebra.*

HONORS

UC Berkeley Regents' and Chancellor's Scholar — 2013

- Highest honor awarded to entering undergraduates, awarded to top 1% of entering class.

Siemens Competition Regional Finalist — 2011

- Selected as one of the top 96 STEM students in the US for original research. Top prize was $100,000.

Moody's Mega Math Challenge National Finalist — 2011

- Finished in top 12 in the country out of 600+ in 14-hour applied math competition.

SKILLS

Programming Languages: Proficient: Python, Java Familiar: Javascript, Scheme, C, SQL, MIPS Assembly
Technologies: Frontend: HTML, CSS, Dojo Toolkit, Spring, AngularJS Backend: Hibernate, Guice, Apache Spark Other: Git, Stata, R, LaTeX
Technical Coursework: Math: Theoretical Linear Algebra, Abstract Algebra, Real Analysis, Complex Analysis, Multivariable Calculus, Number Theory, Probability Theory, Differential Topology, Stochastic Processes, Econometrics
Computer Science: Structure and Interpretation of Computer Programs, Data Structures, Computer Architecture, Algorithms
Languages: Mandarin Chinese (Native Speaker), Spanish