Eric Severson

PhD Candidate, Graduate Group in Applied Mathematics
University of California, Davis

3229 Mathematical Sciences
UC Davis
One Shields Ave
Davis, CA 95616, USA

eseverson@ucdavis.edu

RESEARCH INTERESTS

Molecular Computation, Chemical Reaction Networks, Complex Systems, Stochastic Processes

EDUCATION

UC Davis – PhD In Applied Mathematics
2016 – Present
Advisor: Dave Doty

UC Berkeley – BS in Applied Mathematics
Spring 2016

AWARDS

- Percy Lionel Davis Award for Excellence in Scholarship in Mathematics (2015-2016), UC Berkeley
- 2015 William Lowell Putnam Mathematical Competition: Top 200 (Of 4275 Competitors)

PUBLICATIONS

Eric Severson, Dave Doty, and David Haley. Composable Computation in Discrete Chemical Reaction Networks. PODC 2019: *Proceedings of the 38th ACM Symposium on Principles of Distributed Computing*, (Toronto, Canada, Jul 29–Aug 2, 2019), to appear.

TEACHING EXPERIENCE

As an instructor (AI):
- Combinatorics (Math 145A) – Summer 2019
- Vector Calculus (Math 21D) – Fall 2018
- Partial Derivatives and Series (Math 21C) – Summer 2017

As a teaching assistant (TA):
- Stochastic Processes (Math 135B) – Spring 2018
- Integral Calculus (Math 21B) – Winter 2018
- Differential Calculus (Math 21A) – Fall 2017
- Probability (Math 135A) – Fall 2017
- Intro to Abstract Math (Math 108) – Winter and Spring 2017
- Calculus for Biology and Medicine (Math 17C) – Fall 2016

Tutor, UC Berkeley Student Learning Center – Spring 2016

Lego Engineering Instructor, Play–Well TEKnologies – Summer 2012 to Summer 2014