

D. Zack Garza

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EDUCATION	University of California, San Diego , La Jolla, CA, USA	Sep 2015 – Jun 2018
	<ul style="list-style-type: none">▪ B.S. Mathematics and Computer Science▪ Major GPA: 3.463	
	University of California, Berkeley , Berkeley, CA, USA	Sep 2014 – Jun 2015
	<ul style="list-style-type: none">▪ Concurrent Enrollment<ul style="list-style-type: none">• CS 70: Discrete Mathematics and Probability Theory• EE 20: Structure and Interpretation of Systems and Signals▪ Cumulative GPA: 3.33	
	Sierra College , Rocklin, California, USA	Sep 2011 – Jun 2014
	<ul style="list-style-type: none">▪ A.A. Mathematics▪ A.S. Physics▪ A.A. Fine Arts	
WORK EXPERIENCE	Retail Scientifics , San Diego, CA	Jan 2016 – Present
	<ul style="list-style-type: none">▪ Full Stack Engineer<ul style="list-style-type: none">• API development for real-time predictive modeling.	
	Google Summer of Code , Berkeley, CA	Apr 2015 – Aug 2015
	<ul style="list-style-type: none">▪ Student Developer<ul style="list-style-type: none">• Contributed Haskell code to the open source project Hackage.	
	Shutterfly , Santa Clara, CA	Jun 2014 – Jan 2015
	<ul style="list-style-type: none">▪ Software Engineer, Intern/Contractor<ul style="list-style-type: none">• Built server-side OpenGL engine for rendering 3D models.	
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none">▪ Provost Honors▪ Richard L. and Fern W. Erion and Laidlaw-Erion Scholarship▪ Errett Bishop Scholarship▪ Diana C. Miles Scholarship	Fall 2015 2016 – 2017 2016 – 2017 2017 – 2018
CAMPUS ACTIVITIES	Mathematics Club , Sierra College	2013 – 2014
	<ul style="list-style-type: none">▪ Officer	
	Society of Undergraduate Mathematics Students , University of California, San Diego	2016 – 2018
	<ul style="list-style-type: none">▪ President	
SKILLS	Android, C, C++, ECMAScript, Bash, Git, HTML5/CSS, Haskell, Java, Javascript, \LaTeX , MATLAB, Node, NumPy, OpenGL, PHP, Python, R, SAGE, SQL, Unix/Linux	
WORKSHOPS AND TALKS GIVEN	<ul style="list-style-type: none">▪ Discrete Mathematics: An Overview of Graphs and Trees▪ Haskell for Mathematicians▪ Introduction to Category Theory, Part 1▪ Introduction to Category Theory, Part 2▪ Introduction to LaTeX▪ Category Theory as an Organizational Tool▪ Organizing Research Projects with LaTeX▪ Intermediate LaTeX▪ Introduction to LaTeX▪ Intermediate LaTeX▪ Introduction to Functional Programming▪ Algebraic Geometry: A Historical Primer▪ Homology and The Snake Lemma	Oct 2016 Oct 2016 Oct 2016 Nov 2016 Nov 2016 Jan 2017 Jan 2017 Feb 2017 Apr 2017 May 2017 Oct 2017 Oct 2017 Nov 2017

COURSEWORK**Graduate Coursework**

- Algebraic Topology Fall 2017 – Spring 2018
- Topics in Real Analysis: Quantum Mechanics (Graduate) Spring 2017
- Functional Analysis Fall 2016 – Winter 2017
- Algebra Fall 2017

Undergraduate Coursework

- Numerical Methods and Physical Modeling Fall 2017
- Image Processing Fall 2017
- Applied Linear Algebra Summer 2017
- Partial Differential Equations Summer 2017
- Computer Vision Spring 2017
- Complex Analysis Spring 2017
- History of Mathematics (Hyperbolic Geometry) Spring 2017
- Theory of Computation Winter 2017
- Introductory Machine Learning Winter 2017
- Discrete Math and Graph Theory Winter 2017
- Design and Analysis of Algorithms Fall 2016
- Number Theory Summer 2016
- Advanced Data Structures Spring 2016
- Knot Theory Spring 2016
- Point-Set Topology Winter 2015
- Mathematical Algorithms and Systems Analysis in Computer Science Winter 2015
- Probability Winter 2015
- Software Tools and Techniques Winter 2015
- Combinatorics Fall 2015
- Abstract Algebra Fall 2015 – Spring 2016
- Real Analysis Fall 2015 – Spring 2016
- Mathematical Reasoning and Proof Summer 2015
- Vector Calculus Summer 2015
- Structure and Interpretation of Signals and Systems Spring 2015
- Assembly Programming (x86) Spring 2015
- C++ Programming Spring 2015
- Finite Mathematics and Linear Programming Spring 2015
- Discrete Mathematics and Probability Theory Fall 2014
- Structure and Interpretation of Computer Programs (Python) Fall 2014
- Elementary Statistics Summer 2014
- Introduction to Unix Summer 2014
- Discrete Mathematics Spring 2014
- Electrical Circuit Theory Spring 2014
- Differential Equations and Linear Algebra Spring 2014
- Data Structures Fall 2012
- General Chemistry Spring 2013 – Summer 2013
- Physics: Mechanics, Electromagnetism, Optics, and Waves Fall 2012 – Spring 2013
- Calculus: Single and Multivariable Fall 2012 – Spring 2013
- Systems Programming with C Fall 2012
- Discrete Structures in Computer Science Fall 2012
- Object-Oriented Programming Spring 2012