D. Zack Garza

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University of Georgia, Athens,GA, USA	Aug 2019 – Present
Ph.D. in Mathematics (Expected)	
University of California, San Diego, La Jolla, CA, USA	Aug 2015 – Jun 2018
B.S. MathematicsMinor in Computer ScienceMajor GPA: 3.723	
University of California, Berkeley, Berkeley, CA, USA	Sep 2014 – Jun 2015
 Concurrent Enrollment 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
A.A. MathematicsA.S. PhysicsA.A. Fine Arts	
University of Georgia	
 Graduate School Teaching Seminar 1GRSC 7770) 	Fall 2019
Private Tutoring	2014 – Present
 Calculus, Linear Algebra, Differential Equations, Real Analysis, Abstract Algebra, Complex Analysis, Point-Set Topology, Number Theory, Probability 	
 UC San Diego Academic Enrichment Program Summer Undergraduate Research Scholarship (Declined) Diana C. Miles Scholarship Errett Bishop Scholarship Richard L. and Fern W. Erion and Laidlaw-Erion Scholarship Provost Honors (Muir College, UC San Diego) 	2018 2017 - 2018 2016 - 2017 2016 - 2017 2015 - 2016
Society of Undergraduate Mathematics Students, UC San Diego	2016 – 2018
■ President	
Mathematics Club, Sierra College	2013 – 2014
■ Officer	
 Mathematics Subject GRE Workshop Homotopy and the Hopf Fibration Topological Fixed Point Theorems 	Mar 2019 Jun 2018 Mar 2018
 Homology and The Snake Lemma Algebraic Geometry: A Historical Primer Introduction to Functional Programming Intermediate LaTeX Introduction to LaTeX Intermediate LaTeX Organizing Research Projects with LaTeX Category Theory as an Organizational Tool Introduction to LaTeX 	Nov 2017 Oct 2017 Oct 2017 May 2017 Apr 2017 Feb 2017 Jan 2017 Jan 2017
	 Ph.D. in Mathematics (Expected) University of California, San Diego, La Jolla, CA, USA B.S. Mathematics Minor in Computer Science Major GPA: 3.723 University of California, Berkeley, Berkeley, CA, USA Concurrent Enrollment

	 Introduction to Category Theory, Part 2 Introduction to Category Theory, Part 1 Haskell for Mathematicians Discrete Mathematics: An Overview of Graphs and Trees 	Nov 2016 Oct 2016 Oct 2016 May 2014
WORK EXPERIENCE	Retail Scientifics, San Diego, CA	Jan 2016 – Aug 2019
EXI EXIENCE	 Data Scientist & Full Stack Engineer API development for real-time predictive modeling and machine learning. 	
	Google Summer of Code, Berkeley, CA	Apr 2015 – Aug 2015
	Student DeveloperContributed Haskell code to the open source project Hackage.	
	Shutterfly, Santa Clara, CA	Jun 2014 – Jan 2015
	 Software Engineer, Intern/Contractor Server-side compute graphics engine development in OpenGL for rendering 3D mod 	lels.
TECHNICAL SKILLS	Android, C, C++, ECMAScript, Bash, Git, HTML5/CSS3, Haskell, Java, Javascript, Lately, MATLAB, Node, NumPy, OpenGL, PHP, Python, R, SAGE, SQL, Unix/Linux	
COURSEWORK	Graduate Coursework	
	 Algebraic Topology Topics in Real Analysis: Overtup Mechanics (Craduate) 	Fall 2017 – Spring 2018
	Topics in Real Analysis: Quantum Mechanics (Graduate)Functional Analysis	Spring 2017 Fall 2016 – Winter 2017
	■ Algebra	Fall 2017
	Undergraduate Coursework	
	 Cryptography 	Winter 2018
	 Numerical Methods and Physical Modeling 	Fall 2017
	 Image Processing 	Fall 2017
	Applied Linear Algebra Partial Differential Fountings	Summer 2017
	Partial Differential EquationsComputer Vision	Summer 2017 Spring 2017
	Complex Analysis	Spring 2017
	 History of Mathematics (Hyperbolic Geometry) 	Spring 2017
	■ Theory of Computation	Winter 2017
	Introductory Machine LearningDiscrete Math and Graph Theory	Winter 2017 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
	ProbabilitySoftware Tools and Techniques	Winter 2015 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 Structure and Interpretation of Signals and Systems	Summer 2015
	Structure and Interpretation of Signals and SystemsAssembly Programming (x86)	Spring 2015 Spring 2015
	C++ Programming	Spring 2015
	• Finite Mathematics and Linear Programming	Spring 2015
	 Discrete Mathematics and Probability Theory Structure and Interpretation of Computer Programs (Puthon) 	Fall 2014
	 Structure and Interpretation of Computer Programs (Python) 	Fall 2014

 Elementary Statistics Introduction to Unix Discrete Mathematics Electrical Circuit Theory Differential Equations and Linear Algebra Data Structures 	Summer 2014 Summer 2014 Spring 2014 Spring 2014 Spring 2014 Fall 2012
 General Chemistry Physics: Mechanics, Electromagnetism, Optics, and Waves Calculus: Single and Multivariable Systems Programming with C Discrete Structures in Computer Science Object-Oriented Programming 	Spring 2013 – Summer 2013 Fall 2012 – Spring 2013 Fall 2012 – Spring 2013 Fall 2012 Fall 2012 Spring 2012