D. Zack Garza

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EDUCATION	University of California, San Diego, La Jolla, CA, USA	Sep 2015 – Jun 2018	
	B.S. Mathematics and Computer ScienceMajor GPA: 3.463		
	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. Mathematics A.S. Physics A.A. Fine Arts 		
WORK EXPERIENCE	Retail Scientifics, San Diego, CA	Jan 2016 – Present	
	Full Stack EngineerAPI development for real-time predictive modeling.		
	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 Built server-side OpenGL engine for rendering 3D models. 		
AWARDS & SCHOLARSHIPS	 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 ■ Officer	2013 – 2014	
	Society of Undergraduate Mathematics Students, University of California, San	Diego 2016 – 2018	
	President	Diego 2010 – 2010	
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	Discrete Mathematics: An Overview of Graphs and TreesHaskell for Mathematicians	Oct 2016 Oct 2016	
TILINO GIVEN	■ Introduction to Category Theory, Part 1	Oct 2016	
	 Introduction to Category Theory, Part 2 	Nov 2016	
	■ Introduction to LaTeX	Nov 2016	
	Category Theory as an Organizational Tool	Jan 2017	
	 Organizing Research Projects with LaTeX Intermediate LaTeX 	Jan 2017	
	 Intermediate LaTeX Introduction to LaTeX 	Feb 2017 Apr 2017	
	■ Intermediate LaTeX	May 2017	
	 Introduction to Functional Programming 	Oct 2017	
	Algebraic Geometry: A Historical Primer	Oct 2017	
	■ Homology and The Snake Lemma	Nov 2017	

COURSEWORK Graduate Coursework

 Graduate Coursework Algebraic Topology Topics in Real Analysis: Quantum Mechanics (Graduate) Functional Analysis Algebra 	Fall 2017 – Spring 2018 Spring 2017 Fall 2016 – Winter 2017 Fall 2017
Undergraduate CourseworkNumerical Methods and Physical ModelingImage Processing	Fall 2017 Fall 2017
 Applied Linear Algebra Partial Differential Equations Computer Vision Complex Analysis History of Mathematics (Hyperbolic Geometry) Theory of Computation Introductory Machine Learning Discrete Math and Graph Theory Design and Analysis of Algorithms 	Summer 2017 Summer 2017 Spring 2017 Spring 2017 Spring 2017 Winter 2017 Winter 2017 Winter 2017 Fall 2016
 Number Theory Advanced Data Structures Knot Theory Point-Set Topology Mathematical Algorithms and Systems Analysis in Computer Science Probability Software Tools and Techniques Combinatorics Abstract Algebra Real Analysis 	Summer 2016
 Mathematical Reasoning and Proof Vector Calculus Structure and Interpretation of Signals and Systems Assembly Programming (x86) C++ Programming Finite Mathematics and Linear Programming Discrete Mathematics and Probability Theory Structure and Interpretation of Computer Programs (Python) 	Summer 2015 Summer 2015 Spring 2015 Spring 2015 Spring 2015 Spring 2015 Fall 2014 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