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ABOUT ME	I build machine vision software for medical applications and backends for image storage. I also do research in combinatorial optimization, matroid theory and submodular functions, and I like to think about combinatorially inspired algorithms. I am also interested in transfer learning and convolutional neural networks for training on medical data.	
WORK HISTORY	Machine Vision Engineer San Francisco, CA	UCSF Proctor Foundation May, 2015 - present Funded by a grand, I investigated and developed a pipeline and machine learning algorithms to classify images of eyelids. I worked with the PI to define the direction of the project and was the principal developer of the grading application.
	Lecturer in Mathematics San Francisco, CA	San Francisco State University September, 2014 - December, 2015 I was the principal instructor for several sections of college algebra and precalculus. I helped develop and administer a large online calculus course for 200+ students.
	Data Scientist San Mateo, CA	Argyle Data June, 2014 - February, 2015 I prototyped statistical machine learning algorithms for time series analysis and fraud detection in network data as well as implemented production versions in Java.
LANGUAGES/ TOOLS	English French (Fluent) Java Python Matlab Julia C++ working with: AWS OpenCV Scikit-learn	
PAPERS	<i>A Characterization of Generalized Permutohedra for the Classical Reflection Groups</i> , 2015, (thesis)	
	<i>Discriminating Eyelids with Trachomatous Inflammation - Follicular</i> , with Dr. Travis Porco and Dr. Kazunori Okada, 2015, (in progress)	
EDUCATION	<b>SFSU: MA</b> , Mathematics, 2015 <b>SFSU: BA</b> , Philosophy, Mathematics, Computer Science, 2012 <b>University of Paris 1 Pantheon la Sorbonne: Visiting Student</b> , Philosophy, Logic, Mathematics, 2009-2011	