

# Matt Jacobs

## Curriculum Vitae

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### Education

- 2011–2017 **Ph.D.**, *University of Michigan*, Ann Arbor.  
Advisor: Selim Esedoğlu, Thesis: Algorithms for Multiphase Partitioning
- 2007–2011 **B.A.**, *Columbia University*, New York.  
Summa Cum Laude, Honors in Mathematics.

### Selected Teaching

- Fall 2016 **Math 116**, *University of Michigan*.
- Summer 2016 **MIDAS Summer Camp: "A visual tour of Fourier Series"**, *University of Michigan*.  
I created the curriculum and helped teach a weeklong summer camp for high school students exploring Fourier series and linear algebra through digital images and programming.
- Summer 2014 **M-Engin Math 3**, *University of Michigan*.
- Winter 2014 **Math 116 Course Co-Coordinator**, *University of Michigan*.  
Math 116 is the university-wide Calculus II course. As co-coordinator I was responsible for writing the exams and team homework used by each course section.

### Apps

- iOS App **Squigglish!**, *Available for download on the app store*.  
Squigglish! is an app that automatically animates any line drawing. Squigglish! has been featured in The Verge and has been downloaded over 100,000 times.
- iOS App **Sketch Anything**, *Available for download on the app store*.  
Sketch Anything uses the power of Fourier series and image processing to take any image and create step by step drawing guides. Sketch Anything won the grand prize at MHacks V and first place in the UM mobile apps challenge.

### Awards and Honors

- 2016 First Place University of Michigan Mobile Apps Challenge
- 2016 Second Place MHacks Refactor
- 2015 Grand Prize Winner HackNTU
- 2015 Grand Prize Winner MHacks V
- 2011 John Dash Van Buren Jr. Prize in Mathematics (Columbia University)
- 2011 Phi Beta Kappa Columbia University New York Delta Chapter