

## Work

- 04/2023– **Software Engineer**, *Leidos*, Huntsville, AL  
present machine learning for cybersecurity, LLM agents for software development
- 01/2020– **Machine Learning Engineer**, *Axient*, Huntsville, AL  
03/2023 building and interpreting DNN models for the MDA's Advanced Technology Lab, mostly for image segmentation but also for tabular data from the radar domain
- 05/2019– **Formal Methods Engineer**, *Blue Halo*, Huntsville, AL  
01/2020 leading a team of formal methods engineers using *Coq*, *PVS* and *TLA+* in support of a software IV&V program | coauthored an internal USDOD publication on statistical analysis of software testing protocols
- 01/2019– **'Typist'**, *Home Office*, Manlius, NY  
05/2019 studying *Software Foundations* in preparation for Blue Halo role
- 05/2016– **Statistician**, *Preferred Mutual*, New Berlin, NY  
01/2018 machine learning models for pricing and reserving
- 01/2016– **Adjunct**, *Syracuse University*, Syracuse, NY  
12/2018 I was **teaching** graduate courses in *Haskell* and *Python* and not **taking** them
- 07/2015– **Data Scientist**, *Stony Brook University Hospital*, Stony Brook, NY  
12/2015 contract work: building a *PostgreSQL* database and modeling healthcare utilization rates
- 01/2014– **Mathematician**, *Home Office*, Port Jefferson, NY & Annapolis, MD  
07/2015 independent mathematics research
- 09/2007– **Teaching Assistant**, *UCSB*, Goleta, CA  
12/2013 teaching calculus courses and doing mathematics research
- Summer 2007 **Research Assistant**, *IRES Brazil*, São Paulo  
research program connecting US mathematicians with Brazilian mathematicians
- growing up **Lifeguard & Camp Counselor**, *City of Half Moon Bay*, Half Moon Bay, CA  
games and swim lessons and the occasional field trip

## Education

- 2007–2013 **PhD (Mathematics)**, *UCSB*, Goleta, CA  
convex geometry and optimization
- 2003–2007 **BS (Mathematics)**, *Cal Poly*, San Luis Obispo, CA  
combinatorics

Madison, AL

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