

Gabriel Passamani Andrade

Education

University of Colorado Boulder
Ph.D. in Computer Science (Expected 2023)
GPA : 3.469

Fall 2018 - Present

University of Massachusetts Amherst
M.S. in Applied Mathematics
Emphasis on Applications in Computer Science
GPA : 3.710

Fall 2016 - Spring 2018

University of Massachusetts Amherst
B.S. in Mathematics
Concentration in Pure Mathematics
Minor in Philosophy
Graduated Cum Laude
GPA : 3.675

Fall 2012 - Spring 2016

Publications

G. P. Andrade, M. Ruzinkó, and R. Kozma, "Graph Models of Neurodynamics to Support Oscillatory Associative Memories" In *International Joint Conference on Neural Networks* (2018)

Relevant Work Experience

Teaching Assistant - Algorithms
University of Colorado Boulder Department of Computer Science

Spring 2019

Teaching Assistant - Starting Computing (Computer Science 1)
University of Colorado Boulder Department of Computer Science

Fall 2018

Graduate System Administrator and IT assistant
University of Massachusetts Department of Mathematics and Statistics

Fall 2016 - Spring 2018

Peer Undergraduate Adviser
University of Massachusetts Department of Mathematics and Statistics

Fall 2015

Teaching Assistant - Calculus I & II for Life and Social Sciences
University of Massachusetts Department of Mathematics and Statistics

Fall 2014

Programming Languages & Operating Systems

Python, C, C++, Bash, Java, Matlab, x86 assembly, and PDDL
Multiple Linux Distributions, OS X, and Windows

Service and Leadership

Graduate Researchers in Data (GRiD)	Summer 2017 - Spring 2018
<i>Co-Chair of Operations</i>	
-Organize and Host workshops, talks, and Hackathons	
-Help manage funds and secure assets for the organization	
ASA DataFest	Spring 2017 & 2018
<i>Consultant</i>	
-Advised participants needing help with their project	
University of Massachusetts Provost Undergraduate Research Fellowship	Fall 2015 - Spring 2016
<i>Mentor</i>	
-Helped guide the fellowship recipient in their research, class choices, etc.	
-Chosen among senior undergraduates to represent the Mathematics Department	
University of Massachusetts Outing Club	Spring 2013 - Spring 2016
<i>Hiking Leader</i>	
-Organized and led hikes throughout New England	
-Received multiple certifications related to wilderness survival and first aide	

Awards, Honors, Grants

2 nd Place In Progress Research Poster, Graduate Student Research Expo	Spring 2019
Outstanding Academic Achievement Award in Mathematics & Statistics	Spring 2016
Louis Stokes Alliances for Minority Participation (LSAMP) Scholar	

Select Presentations

ACM Conference on Economics and Computation, Phoenix, AR	June 25th 2019
DARPA Site Visit, Amherst, MA	May 10th 2016
AMS/MAA Joint Mathematics Meeting (JMM), Seattle, WA	January 8th 2016
NSF SFS Site Visit, Amherst, MA	November 12th 2015
SACNAS National Conference, National Park, MD	October 29th 2015
MSRI-UP Final Talk, Berkeley, CA	July 24th 2015

Relevant Graduate Level Coursework

University of Colorado Boulder:

- Biologically Inspired Multi-Agent Systems (CSCI 5423)
- Convex Optimization (CSCI 5254)
- Network Analysis and Modeling (CSCI 5352)
- Coordination and Control of Multi-Agent Systems (ECEN 5008)

University of Massachusetts Amherst:

- Information Theory (CS 650)
- Artificial Neural Network Dynamics Independent Study (CS 696)
- Artificial Intelligence (CS 683)
- Advanced Algorithms (CS 611)
- Numerical Analysis (Math 651)
- Cybersecurity Lecture Series (Math 591CF)
- Mathematical Statistics I & II (Stats 607 & 608)

- Dynamics, ODEs & PDEs (Math 532H & 534H)
- Real Analysis (Math 523H)

Misc. Skills

Fluent in English and Portuguese