LINH TRAN

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EDUCATION

University of New Mexico *Expected Graduation May 2018*
B.S. in Computer Science
Member of National Society of Black Engineers
Overall GPA: 3.70

RESEARCH EXPERIENCE

Distributed Research Experiences for Undergraduates Intern May 2017 - August 2017
Mentor: Dr. Justine Cassell *ArticuLab - Carnegie Mellon University*

· Investigated how code-switching influences African American children's learning performance.
· Performed statistical analysis using R program

Ronald E. McNair Scholar July 2015 - Present
Mentor: Dr. Melanie E. Moses *Moses Biological Computational Lab, University of New Mexico*

· Demonstrates multiple independent robots collectively performing a predetermined square spiral called the Distributed Deterministic Search Algorithm (DDSA).
· Delivered oral and poster presentations
· Used C++, ROS, Gazebo

Research Assistant/ Student Intern May 2015 - November 2016
Mentor: Dr. Melanie E. Moses *Moses Biological Computational Lab, University of New Mexico*

· Prepared post and abstract for 2015 IROS Conference
· Observed and record data on swarm forging algorithms
· Designed and implemented Distributed Deterministic Spiral Search Algorithm
· Programmed in Matlab and C++

PUBLICATIONS

G. Matthew Fricke, Joshua P Hecker, Antonio Griego, Linh Tran, and Melanie E Moses.
A Distributed Deterministic Spiral Search Algorithm for Robot Swarms.
In Proceedings of the International Conference on Intelligent Robots and Systems. IEEE, 2016a.

CONFERENCESS

· NSBE 43rd Annual Convention 2017
· Introduction to Graduate Education at Northwestern (IGEN) 2016
Funded campus visit, Northwestern Chicago and Evanston campus
· University of Wisconsin-Milwaukee McNair Scholars Research Conference 2016
Oral: *Deterministic Search in Physical Robots*
· University of New Mexico Scholars Research Conference 2016
Oral & Poster: *Deterministic Search in Physical Robots*
· UNM&ROP Scholars Program: Summer Research Symposium 2016
Oral: *Evaluating Distributed Deterministic Spiral Search Algorithm in Physical Robots*
· 12th Annual Computer Science Student Conference (CSGSA) 2016
· IEEE/RSJ International Conference on Intelligent Robots and Systems 2015
· MAES International Conference 2015
Poster: *The Deterministic Spider: A Benchmark for Evaluating Efficiently of Swarm Search*

WORK EXPERIENCE

Technical Assistant January 2015 - October 2015
Dr. Denise Dion *UNM Center for Telehealth*

- Entered medical data into a database using Excel
- Entered data into Access database
- Generated call logs in Excel and designed flyers
- Assisted with troubleshooting and managed conference calls

Faculty Assistant August 2014 - December 2014
Brooke Chenoweth *UNM Department of Computer Science*

- Assisted students with Java programming, logic computations, and control flow
- Graded projects and lab assignments
- Provided tutoring during lab and office hours

ACADEMIC AWARDS

- Harry and Mabel F. Leonard Endowed Scholarship 2015-2016, 2014-2015, 2016-2017
- Outstanding Junior Student Award 2015-2016
- Student Conference Award Fall 2015
- NSF-STEP Award Summer 2015
- Thomas Keller Endowed Scholarship Spring 2015
- Dean's List Fall 2012, Spring 2014
- Van Dyke Software Computer Science Scholarship Fall 2014
- National Society of Black Engineers 2015-Present
- National Security Studies Program 2015-Present
- Computer Science Graduate Student Association, Secretary 2015-2016
- Hispanic in Engineering & Science Organization, Secretary & Webmaster 2015-2016

LEADERSHIP

- National Society of Black Engineers, Treasurer 2017-2018
- NSBE HACKathon Powered by Google - Developer & Designer March 2017
- National Society of Black Engineers 2015-Present
- National Security Studies Program 2015-Present
- Computer Science Graduate Student Association, Secretary 2015-2016
- Hispanic in Engineering & Science Organization, Secretary & Webmaster 2015-2016
- VEX Robotics Competition Judge June 2015
- NM CreatAthon - Web developer & Designer June 2015

TECHNICAL STRENGTHS

Languages	Java, C, C++, R, Matlab
Operating Systems	Windows 2000/XP/Vista/7/8/8.1/10, OS X, Ubuntu
Tools	Intellij IDEA, Github, Emacs, Latex, HTML, CSS, Linux, ARGoS, Gazebo, ROS