

Education

- M.S. Computer Science, New Jersey Institute of Technology, Newark, NJ 07103, GPA: 3.20
 - B.S. Computer Science, University of Memphis, 3715 Central Ave, Memphis, TN, GPA: 3.03
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Skills

- Languages: Java, Python, C, C++, Javascript, NodeJs, HTML, CSS, Matlab, Android, PHP, C#, Lua, Go, Ruby, SQL
 - Frameworks and tools: Git, React, Rails, Cordova, Redis
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Experience

- Research Assistant
 - University of Memphis, August 2014-August 2015
 - New Jersey Institute of Technology, August 2015-Current
 - WIMAX (UofM)
 - i Implemented a simulation to test a scheduling optimization algorithm for large wireless mesh environments
 - Target detection and localization using sensors(NJIT)
 - ii Collaborate with Oak Ridge National Lab, and Clemson University
 - iii Implement algorithms for target detection using benchmark datasets of real data from sensors.
- Publications
 - Z. Cao, C.Q. Wu, and **M.L. Berry**. On Routing of Multiple Concurrent User Requests in Multi-Radio Multi-Channel Wireless Mesh Networks. In *Proceedings of the 17th International Conference on Parallel and Distributed Computing, Applications and Technologies*, Guangzhou, China, December 16-18, 2016 (PDCAT16, **Best Paper Award**).
 - C.Q. Wu, **M.L. Berry**, K.M. Grieme, S. Sen, N.S.V. Rao, R.R. Brooks, G. Cordone. A Source-Attractor Approach to Network Detection of Radiation Source. In *Proceedings of the IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems*, Baden-Baden, Germany, September 19 – 21, 2016 (MFI16).
 - N.S.V. Rao, S. Sen, K.M. Grieme, **M.L. Berry**, C.Q. Wu, G. Cordone, and R.R. Brooks. Datasets for Radiation Network Algorithm Development and Testing. In *Proceedings of the IEEE Nuclear Science Symposium & Medical Imaging Conference*, Strasbourg, France, October 29 – November 6, 2016 (NSS16).
 - S. Sen, N.S.V. Rao, C.Q. Wu, **M.L. Berry**, K.M. Grieme, R.R. Brooks, and G. Cordone. Performance Analysis of Wald-Statistic Based Network Detection Methods for Radiation Sources. In *Proceedings of the 19th International Conference on Information Fusion*, Heidelberg, Germany, July 5-8, 2016 (FUSION16).
 - S. Sen, N.S.V. Rao, R.R. Brooks, G. Cordone, C.Q. Wu, **M.L. Berry**, and K.M. Grieme. On Simple Computationally-Light Network Detection Methods for Radiation Sources. In *Proceedings of Symposium on Radiation Measurements and Applications*, University of California, Berkeley, May 22-26, 2016 (SORMA16).
 - C.Q. Wu, **M.L. Berry**, K.M. Grieme, S. Sen, N.S.V. Rao, R.R. Brooks, and C. Temples. Network Detection of Radiation Sources Using ROSD Localization. In *Proceedings of the IEEE Nuclear Science Symposium & Medical Imaging Conference*, San Diego, CA, USA, October 31 – November 7, 2015 (NSS15).
- Projects
 - Android application that detects when a car has parked and turned off
 - i Uses the accelerometer data to get the engines vibration, to detecting when the vehicle is on or off
 - Python Web Framework
 - i Basic Web Framework that handles dynamic routing and a Simple Python Templating engine
 - IMAP Email Client
 - i Text Based python client that is able to view, create or delete mailboxes and copy to another mailbox