

# Bathsheba B. Y. Farrow

## Ph.D. Student | Application Architect

Highly motivated senior level professional with notable success in system/software design, development, and management. Innovative and creative problem solver who quickly grasps concepts, analyzes, and translates ideas into logical processes. Research interests include Post-Traumatic Stress Disorder (PTSD), Electroencephalogram (EEG), Eye Tracking, Machine Learning, Sentiment Analysis, Natural Language Processing (NLP), Mobile Computing, and Cloud Computing.

## Education

- 2016 – Present **Candidate, Doctor of Philosophy**, Computer Science  
Old Dominion University, Norfolk, VA
- 2007 **Master of Information Technology**, Information Technology  
Virginia Polytechnic Institute and State University, Blacksburg, VA
- 2000 **Bachelor of Science**, Computer Science  
Norfolk State University, Norfolk, VA

## Publications

- [1] **(IEEE IRI)** Bathsheba Farrow and Sampath Jayarathna. "A Serverless Electroencephalogram Data Retrieval and Preprocessing Framework." 2023 IEEE 24th International Conference on Information Reuse and Integration for Data Science (IRI). IEEE, 2023.
- [2] **(ACM BCB)** Bathsheba Farrow and Sampath Jayarathna. "Sentiment Analysis of Social Media Posts for Mental Health Assessments," 12th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics, Virtual, 2021. [Presented]
- [3] **(ACM BCB)** Bathsheba Farrow and Sampath Jayarathna. "Visualize Pipeline Modeling in NeuroPype for EEG Data Analysis," 12th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics, Virtual, 2021. [Presented]
- [4] **(IEEE IRI)** Bathsheba Farrow and Sampath Jayarathna. "Technological Advancements in Post-Traumatic Stress Disorder Detection", IEEE 20th International Conference on Information Reuse and Integration, Las Vegas, CA, 2019. [Conference]

## Teaching Experience

- 2012 – 2013 ECPI University, Virginia Beach, VA  
Computer Information Science (CIS) Adjunct Faculty

## Professional Experience

2023 – Present	Naval Surface Warfare Center Dahlgren Division, Virginia Beach, VA <i>Application Architect</i>
2018 – 2023	Naval Surface Warfare Center Dahlgren Division, Virginia Beach, VA <i>Technical Branch Manager</i>
2015 – 2018	Naval Surface Warfare Center Dahlgren Division, Virginia Beach, VA <i>Scientist</i>
2014 – 2015	Space and Naval Warfare Center, Norfolk, VA <i>Scientist</i>
2005 – 2014	Sotera Defense Solutions, Virginia Beach, VA <i>Senior Software Engineer</i>
2004 – 2005	Northrop Grumman Mission Systems, Virginia Beach, VA <i>Systems Engineer</i>
2001 – 2004	Hampton University, Hampton, VA <i>C++ Programmer</i>
2000 – 2001	Verizon Communications, Arlington, VA <i>Software Engineer</i>

## Certifications

2015 - Present	Engineering Level II, Defense Acquisition Workforce Improvement Act, Department of Defense
2011 – 2020	Security+ Certified, Computing Technology Industry Association (CompTIA), Inc.

## Awards, Honors, Scholarships

2022	Excellence Award, Program Executive Office Integrated Warfare Systems (PEO IWS), Washington, DC
2020	Time-Off Award, Naval Surface Warfare Center Dahlgren Division, Virginia Beach, VA
2018	Time-Off Award, Naval Surface Warfare Center Dahlgren Division, Virginia Beach, VA
2014	Community Award, Sotera Defense Solutions, Virginia Beach, VA
2014	Team of the Year Award, Sotera Defense Solutions, Virginia Beach, VA
2012	CEO Leadership Program, Sotera Defense Solutions, Inc.

- 2009 Employee Achievement Award, Sotera Defense Solutions, Virginia Beach, VA
- 2000 Highest GPA in Classification and Major, Norfolk State University, Norfolk, VA
- 1996 Dozoretz National Institute for Mathematics and Applied Science (DNIMAS) Full Scholarship

## Memberships and Affiliations

- 2019 – Present Member, ODU Computer Science Advisory Board
- 2016 – Present Member, NSWCDD Software and Development Environment Committee
- 2016 – Present Member, Institute of Electrical and Electronics Engineers (IEEE)
- 2016 – Present Member, NSWCDD Command Assessment Team (CAT)
- 2016 – Present Senior Barrier Analysis Champion, NSWCDD Diversity & Inclusion Committee
- 2015 – Present Member, Virginia Beach Community Emergency Response Team (CERT)
- 2014 – Present Member, DNIMAS Alumni Association
- 2014 – Present Member, Virginia Beach Steering Committee
- 2014 – Present Member, FBI Citizen Academy Alumni Association
- 2014 – 2016 Board Member, FBI Citizen Academy Alumni Association
- 2014 – 2016 Membership Coordinator, FBI Citizen Academy Alumni Association
- 2013 – 2014 Website Committee Member, FBI Citizen Academy Alumni Association
- 2015 Mentor, SPAWAR Lunch Buddies Program
- 2012 – 2014 Member, Sotera Employee Focus Group
- 2011 – 2014 Member, Sotera Corporate Responsibility (CR) Committee
- 2011 – Present Volunteer, Foodbank of Southeastern Virginia