

# Bathsheba B. Y. Farrow

Ph.D. Student | Technical Branch Manager

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

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| 2016 – Present | <b>Candidate, Doctor of Philosophy</b> , Computer Science<br>Old Dominion University, Norfolk, VA                                       |
| 2007           | <b>Master of Information Technology</b> , Information Technology<br>Virginia Polytechnic Institute and State University, Blacksburg, VA |
| 2000           | <b>Bachelor of Science</b> , Computer Science<br>Norfolk State University, Norfolk, VA  |

## Publications

- [1] **(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]
- [2] **(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]
- [3] **(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

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| 2012 – 2013 | ECPI University, Virginia Beach, VA<br>Computer Information Science (CIS) Adjunct Faculty |
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## Professional Experience

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| 2018 – Present | Naval Surface Warfare Center Dahlgren Division, Virginia Beach, VA<br>Technical Branch Manager |
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|-------------|---|
| 2015 – 2018 | Naval Surface Warfare Center Dahlgren Division, Virginia Beach, VA<br>Scientist |
| 2014 – 2015 | Space and Naval Warfare Center, Norfolk, VA<br>Scientist                        |
| 2005 – 2014 | Sotera Defense Solutions, Virginia Beach, VA<br>Senior Software Engineer        |
| 2004 – 2005 | Northrop Grumman Mission Systems, Virginia Beach, VA<br>Systems Engineer        |
| 2001 – 2004 | Hampton University, Hampton, VA<br>C++ Programmer                               |
| 2000 – 2001 | Verizon Communications, Arlington, VA<br>Software Engineer                      |
| 1999        | Lucent Technologies, Naperville, IL<br>Intern                                   |
| 1997        | Bonneville Power Administration, Portland, OR<br>Intern                         |

## Certifications

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| 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

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| 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                        |

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| 2000 | Highest GPA in Classification and Major, Norfolk State University, Norfolk, VA            |
| 1996 | Dozoretz National Institute for Mathemetics and Applied Science (DNIMAS) Full Scholarship |

## Memberships and Affiliations

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|----------------|--|
| 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                             |