**Roscoe A. Johnson IV**

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Adjudicated Top Secret/SCI Clearance

# OBJECTIVE

Software Developer and Systems Engineer searching for the opportunity to combine my Global Positioning System (GPS) professional experience with my hobby of building full stack applications. I have a passion for thoughtful user interface design and the overall flow and feeling of the application. I enjoy building user interfaces and designing back end database solutions.

# SKILLS

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| --- | --- | --- | --- |
| * Python | * ReactJS | * Project Management - Engineering | * VS Code |
| * SQL | * ExpressJS | * Microsoft Office Suite | * Spirent |
| * Git | * Promise API | * NodeJS | * MATLAB |
| * HTML5 | * Postman | * Test and Evaluation (T&E) | * CSS |

# PROFESSIONAL EXPERIENCE

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| **Johns Hopkins University Applied Physics Laboratory (APL),** Laurel, Maryland | **01/2017 – Present** |
| ***Software Developer/Data Analyst*** | **05/2019 – Present** |

* Developed/collaborated on test and evaluation visualization tools in support of US Navy Destroyer combat system requirements verification
* Utilized software package for field test and evaluation for go/ no-go recommendation to Chief Scientist on live fire missile exercises. The risk analysis saved the US Navy customer millions in wasted assets and resources

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| ***Systems Engineer*** | **01/2017 – 05/2019** |

* Global Positioning System (GPS) hot start system upgrade in support of the US Navy’s Standard Missile 3 guidance section.
* Decomposed high-level requirements to a functional sub-system design.
* Managed a 3-5-member engineering team to conceptualize, design lower levels, and trace requirements to implementation. The new proprietary system removed the dependence on the legacy system owned by Raytheon Missile Systems.
* Standard Missile 3 guidance section (GPS and RF uplink) pre/post flight hardware-in-the-loop testing.
* Reported discoveries to Johns Hopkins University Applied Physics Laboratory, Missile Defense Agency (MDA), and Raytheon Leadership. The analysis allowed for missile hardware/software modifications to be verified for missiles currently in the US Navy fleet and confirmed annual sustainment budgeting from MDA

# EDUCATION

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| * **Master of Science Industrial & Systems Engineering** – *University of Southern California* | **Fall 2016** |
| * **Bachelor of Science Electrical Engineering** – *Morgan State University* | **Spring 2014** |