

# Joshua Farr

Chesapeake, VA | P: +1 757-404-4867 | [joshua.peter.farr@gmail.com](mailto:joshua.peter.farr@gmail.com)

## WORK EXPERIENCE

---

### NAVY CYBER DEFENSE OPERATIONS COMMAND

Suffolk, VA

Web Developer

May 2022 - Sep 2024

- Spearheaded the transition of a policy retrieval system from Microsoft Coldfusion to Node Angular framework; this initiative facilitated seamless document access for 200+ regular users and administrative controls.
- Developed an innovative account registration feature allowing seamless self-verification via a time-sensitive PIN dispatched to user emails; improved security protocols and minimized unauthorized access incidents by 25%.
- Revamped the training system to automatically calculate total scores from database queries using Oracle SQL, enhancing data retrieval speed by 40% and improving user report clarity for over 300 active users.

### OLD DOMINION UNIVERSITY

Norfolk, VA

Graduate / Lead Graduate Teaching Assistant of the Computer Science Department

Aug 2020 – May 2022

- Coordinated grading procedures for assignments from over 40 pupils; engaged each student through tailored discussions that addressed individual concerns regarding comprehension levels and overall progress throughout the semester.
- Facilitated cross-functional meetings involving diverse teaching staff, stimulating dialogue around pedagogical strategies which ultimately decreased common student questions regarding course material by 25%, resulting in more effective learning environments.
- Analyzed existing question banks for accuracy and effectiveness, leading to the successful integration of more than 50 up-to-date queries while ensuring TAs contributed at least two fresh questions weekly.

### OLD DOMINION UNIVERSITY

Norfolk, VA

ITS Help Desk

May 2019 – Aug 2020

- Delivered comprehensive support through telephone, email, and in-person interactions to faculty and students; adeptly troubleshooted, diagnosed, resolved, and documented over 150+ technical issues related to hardware and software each month.
- Improved response efficiency from initial contact through resolution by implementing streamlined documentation practices which saved approximately eight total man-hours monthly dedicated solely toward issue tracking processes.
- Achieved resolution rate improvement from initial contact at a remarkable level exceeding 90%, leveraging skills with browsers like Google Chrome and Firefox alongside collaboration via virtual meeting tools like Zoom.

### OLD DOMINION UNIVERSITY

Norfolk, VA

Student Administrative Assistant of the Computer Science Department

Mar 2016 – May 2019

- Established rapport by memorizing faces and names of over 25 colleagues in the Computer Science department, leading to a noticeable increase in team cohesion during departmental meetings and discussions.
- Categorized supplies and noted where everything was in the ten or more filing cabinets and drawers owned by the department.
- Coordinated and scheduled over 30 departmental meetings for the Computer Science directory, ensuring all essential materials were systematically organized and easily accessible to enhance communication among faculty staff.
- Managed all incoming inquiries via email or phone calls for three years at Old Dominion University's Computer Science Department; achieved a response rate improvement with follow-ups generated every hour during peak periods.

## EDUCATION

---

### OLD DOMINION UNIVERSITY

Norfolk, VA

Masters of Science

Aug 2020 - May 2022

Major in Computer Science

### OLD DOMINION UNIVERSITY

Norfolk, VA

Bachelor of Science

Aug 2015 - Aug 2020

Major in Computer Science; Minor in Cybersecurity

## UNIVERSITY PROJECTS

---

### TWITTER SEARCH ENGINE

Sept 2021 - Dec 2021

- Designed and executed a comprehensive Twitter search engine website that scraped over 700,000 tweets using an efficient shell script; collaborated in a three-member team utilizing the Flask framework alongside Python3, HTML5, CSS, PHP and Kibana/Elasticsearch technologies.

### DISSERTATION SEARCH ENGINE

Sept 2020 - Dec 2020

- Created a fully functional dissertation search engine with an index of 4,000 entries using both Kibana/Elasticsearch technologies and raw coding languages including HTML5, CSS and PHP; focused on enhancing usability through intuitive design principles for end users.

## ADDITIONAL

---

**Technical Skills:** Version Control, Oracle SQL Developer, Visual Studio Code, Atlassian Bitbucket/Jira, Public Speaking, OOP(Object-Oriented Programming), Customer Service, Kibana, Elasticsearch

**Languages:** C++, Java, Python3, SQL, MySQL, HTML5, CSS/SCSS3, PHP, Javascript/Typescript

**Frameworks:** NodeJs, Angular, Flask, Vue.js

**Certifications & Training:** Microsoft Azure Fundamentals, Microsoft 365 Fundamentals, Microsoft Security & Compliance