

Forward-thinking Software Engineer with background working productively in dynamic environments. Fluent in HTML/CSS/JavaScript, C++, Java, and Python programming languages used to develop software within the web design, functional and AI/ML domains. Proud team-oriented developer focused on achieving project objectives with speed and accuracy alongside an Agile SCRUM team. Numerous honors and achievements, with a personally-developed portfolio website, **allaboutjohn.net**, and an **active SECRET clearance with SECURITY+ certification**.

Work History

2021-06 - 2022-05	<div>Associate Software Engineer <i>Huntington Ingalls Industries Mission Technologies, Norfolk, VA</i><ul style="list-style-type: none">Assisted in development and implementation of software to aid in simulation programs for DoD civilians and combat personnel in training exercisesPerformed work in RedHat Linux OS and managed files, resources, and permissions for given projectsProgrammed solutions in Java, JavaScript, HTML, CSS, and the ExtJS framework in Eclipse and IntelliJ IDEA IDEsWorked with version control mechanisms in Git for project management, pushing, pulling, and merging changesPerformed tasks through usage of CLI scripting and Sencha CMD for active watching of changes made to webpage formatting, displays, and functionalityCommunicate with SCRUM mates and other team members daily in DSU meetings to explain work performed and issues come across with resolution of encountered problems</div>
2018-05 - 2021-05	<div>Math and Computer Science Teaching Assistant <i>Old Dominion University, Norfolk, VA</i><ul style="list-style-type: none">Advocated for and established and official computer science tutoring program at ODU's Math and Science Resource CenterHelped students with CS courses involving C++ programming, usage of and scripting in Unix environments, computer architecture, and discrete structuresHelped students with math courses involving college algebra, trigonometry, calculus, and linear algebraDeveloped and administered CS tutoring review resources for use by studentsCreated and edited exam used by the MSRC director and the College of Sciences in evaluating the skills of potential CS tutors during interviews</div>
2019-09 - 2020-05	<div>Mathematics Supplemental Instructor <i>Old Dominion University, Norfolk, VA</i><ul style="list-style-type: none">Helped professors better support their students with college algebraAnswered student questions whenever struggling to complete in-class assignmentsHelped to proctor exams and quizzes, and worked with the ALEKS learning system to identify student weaknesses and provide focuses support accordinglyServed as teaching assistant and assisted students with their understanding of class topics when I sat in precalculus lecturesServed students during interactive weekly workshop sessions to ensure a solid grasp and knowledge of recent lesson materialAided in grading assignments and exams assigned to over 30 students</div>

John
Hessefort
Software Engineer

Personal Info

Email
john@allaboutjohn.net

Phone
(757)-323-8433

Skills

Developed personal portfolio website from scratch with ReactJS and other JavaScript libraries

C/C++/Java/Python abstraction and object-oriented programming

HTML5, CSS, JavaScript

ReactJS development

C# .NET Core development with Visual Studio for Monogame and Unity

SSH, Windows CLI, Linux, Unix, and Ubuntu terminal for OS/file interaction

Software carpentry principles: Github version control and automation with make

Experienced with Agile methodologies and programming workflow, SCRUM, OOP knowledge and experience with developer groups

Teamwork and collaboration in project and repository development

Algorithm implementation

Testing and maintenance

Unit testing, functional testing, integration testing

Scripting, shell scripting

RESTful web services

CI/CD

JIRA

Oral presentation skills in explaining technological concepts in an end user-friendly way

2019-12 - 2020-05	Computer Science Supplemental Instructor <i>Old Dominion University, Norfolk, VA</i> <ul style="list-style-type: none"> Observed lectures for sections of freshman C++ Programming and Computer Architecture Answered questions of conceptual computer architecture and those regarding mechanics of C++ Live programmed through coding examples prepared to help students better learn CS work Demonstrated proper syntax, usage, and ordering of C++ statements to achieve desired results Worked with students through example problems related to combinational logic and Boolean algebra, logic equations and gates, integrated circuit technology, binary, octal, and hexadecimal arithmetic, the MIPS ISA and operations, assembly language, and machine language
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Education

2021-09 - present	Computer Science, Master of Science <i>Old Dominion University, Norfolk</i>
2016-08 - 2021-05	Computer Science, Bachelor of Science <i>Old Dominion University, Norfolk</i>

Volunteering

2019-03 - 2019-03	<i>Julia Robinson ODU Math and Computer Science Festival</i> Volunteered for the JRMF ODU math festival outreach event to help 4th-8th grade students and their parents learn about basic computer science concepts through usage of MIT's Scratch website
2019-02 - 2020-05	<i>ODU College of Sciences Student Ambassador</i> Aided prospective, accepted, and registered students and their parents with their understanding of CoS programs, educational opportunities, and research experiences during Open House, Scholars' Day, Admitted Students' Day, and other similar events
2019-01 - 2019-11	<i>ODU College of Sciences Undergraduate Student Advisory Board Representative</i> Aided ODU students through participation in board meetings with other student departmental representatives, the COS Dean and Associate Deans, and through input on general happenings, research opportunities, and educational circumstances within the college

Awards

2020-09	Computer Science, Cybersecurity, and IT Tutor Scholarship
2019-06	Computational Biology and Bioinformatics Scholarship
2018-09	ODU Accelerated B.S.C.S/M.S. Degree Program Induction
2018-06	Old Dominion University Honors College Induction

Certificates

2022-07	CompTIA Security+
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Languages

English	★★★★★
Spanish	★★★★☆
Japanese	★★★★☆