Nolan Noman

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Java | C | Python | PHP | HTML | CSS | JavaScript | VBA | MySQL | Zend Framework | jQuery
Linux | Windows | Eclipse | Dreamweaver | Conversational Spanish

Education	**Master of Science in Information Assurance**	Expected Graduation: May 2024
	University of Nebraska at Omaha	

Bachelor of Arts in Computer Science, River Creek College,   Graduated: May 2022
Springfield, GA   GPA: 3.86
Minor: Mathematics

Experience   **Graduate Research Assistant**
University of Nebraska at Omaha, Omaha, NE

- Develop software to analyze an industrial control system network protocol for vulnerabilities.

Development Intern   May 2022-August 2022
Smith & Wess Tech Solutions, Hoover, FL

- Extended a static analysis tool for compatibility with x86 architectures
- Ported capture-the-flag challenge binaries to a custom platform without C standard library support

Web Development Intern   January 2021-January 2022 & August 2019-May 2020
Development Assistant   August 2017-December 2018
Technological Services, River Creek College, Springfield, GA

- Contributed code to an online photo directory used by 1,200 staff and students
- Created a web-based forms system and form editor using jQuery and the Zend Framework
- Produced and documented plugins for the Helpdesk Pilot system
- Built a web application using Java Server Pages which tracks users and volunteering jobs, emails reminders for events, generates links for newsletters, and maintains user preferences
- Presented and received client approval for design, specifications, and use-case diagrams

Information Assurance Research Affiliate   May 2013-August 2013
University of Nebraska at Omaha, Omaha, NE

- Identified network protocol vulnerabilities in the Common Industrial Protocol through development of Python scripts for comprehensive network traffic analysis
- Designed a proof-of-concept man-in-the-middle attack on a test system based on this analysis

Operations Planning Intern   February 2013-April 2013
Tennessee Valley Authority, Chattanooga, TN

- Developed VBA macros in Excel that streamlined reporting processes and saved man-hours
- Created custom graphs and reports using Tableau data visualization software

Computer Science Research Assistant   June 2012-July 2012
University of Tennessee, Chattanooga, TN

- Independently carried research project from proposal to half-hour final presentation
- Developed and documented a web-based visualization system for 6 different types of medical data

Communications Intern   July 2011-August 2011
Mission to the World, Lawrenceville, GA

- Integral member of development team which prepared a public-facing website using SharePoint 2010
- Successfully implemented design in SharePoint by modifying HTML and CSS
- Prepared step by step training documents for content managers and department heads

Conference
Presentation   Nolan Howard, Chris Gerhinger, Shwan Williams, Therese Thompson. *Reverse Engineering the Common Industrial Protocol For Session Replay and Packet Injection*. Poster presented at Conference of Research Experiences for Undergraduates Student Scholarship, October 2013.

Activities

CyberCorps: Scholarships For Service Recipient, University of Nebraska at Omaha, July 2014-Present
Computer Science Scholarship Recipient, River Creek College, March 2010-May 2014
5th Place Team (out of 29), CCSC:SE Programming Contest, November 2012