Nolan Noman

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

**Education**

**Experience**

**Master of Science in Information Assurance**

University of Nebraska at Omaha

**Bachelor of Arts in Computer Science. River Creek College, Springfield, GA**

Minor: Mathematics

**Graduate Research Assistant**

University of Nebraska at Omaha, Omaha, NE

Expected Graduation: May 2024

Graduated: May 2022

GPA: 3.86

Aug. 2022 -Present

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

**Development Intern**

Smith & Wess Tech Solutions, Council Bluffs

* Extended a static analysis tool for compatibility with 86 architectures

May 2022-August 2022

* Ported capture-the-flag challenge binaries to a custom platform without C standard library support

**Web Development Intern Development Intern**

Jan. 2021-Jan. 2022

Aug. 2020-Dec. 2020

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 Assistant** Aug. 2019-May 2020 River Creek College, Springfield, GA

* 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

**Computer Science Research Assistant** June 2019-July 2019

River Creek College – Dept. of Computer Science, Springfield, GA

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

**Student Worker** Aug. 2018-May2019

River Creek College – Dept. of Computer Science, Springfield, 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** Nolan Howard, Chris Gerhinger, Shwan Williams, Therese Thompson. *Reverse Engineering the Common*

**Presentation** *Industrial Protocol For Session Replay and Packet Injection.* Poster presented at Conference of Research Experiences for Undergraduates Student Scholarship, October 2019.

**Activities CyberCorps: Scholarships For Service Recipient,** University of Nebraska at Omaha, Aug. 2022-Present

**Computer Science Scholarship Recipient,** River Creek College, May 2019-May2022