

Nick Whisler

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Professional Summary

Motivated and detail-oriented Computer Science and Physics graduate with a passion for software engineering, information technology, data analytics, and system security. Eager to apply a strong foundation in programming, problem-solving, and teamwork to deliver innovative technological solutions. Open to relocation and dedicated to continuous professional growth.

Education

Bachelor of Science in Computer Science

Colorado State University • Fort Collins, CO
Dec. 2024

Bachelor of Science in Physics

Radford University • Radford, VA
Dec. 2016

Certifications

Software Engineering: Springboard Machine Learning Engineering Career Track Bootcamp

Information Technology: CompTIA A+, Network+, Security+

Key Skills

- **Programming Languages:** Java, Python, C#, C++, C, SQL, PHP, HTML, CSS, JavaScript, Assembly
 - **Knowledge Areas:** Data Structures, Algorithms, Networking, Database Design, Machine Learning
 - **Tools & Technologies:** GitHub, Zenhub, Code Climate, Docker, Postman, Wireshark
 - **Methodologies:** Scrum, Software Development Life Cycle, Unit Testing, Big Data Analytics
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Relevant Academic Projects

CS 314: Software Engineering

- Developed the backend of a geolocation-based trip-planning application using Java and the nearest neighbors algorithm to optimize destination lists.
- Utilized Scrum methodology along with GitHub, Zenhub, and Code Climate for project management and quality assurance.

CS 356: Systems Security

- Identified, replicated, and patched vulnerabilities such as buffer overflow, pathname, and SQL injection attacks using DETER (Sphere).

CS 430: Database Systems

- Designed an entity-relationship diagram and implemented the database structure.
- Developed a Java JDBC application to manage database interactions efficiently.

CS 435: Big Data

- Built a program in Spark to parse and generate TF-IDF values for Reddit comment importance.
- Used a random forest ensemble to predict Reddit comment upvotes.

CS 457: Computer Networks and the Internet

- Developed an interactive TCP socket-based quiz game to handle simultaneous client-server communications.
- Implemented multiplexing and demultiplexing techniques for smooth and synchronized gameplay.

Work and Academic Experience Timeline

Actively sought employment while completing three IT certification programs.

Jan. 2025 – Dec. 2025

Colorado State University

Full-Time Student

Jan. 2021 – Dec. 2024

McDonald's

Cash Register

Jan. 2021 – May 2021

Provided cash services for an average of 300 to 400 cars per day.

COVID-19 Shutdown and Relocation to Virginia

Mar. 2020 – Dec. 2020

Personal Injury Recovery

Dec. 2019 – Feb. 2020

Home Depot

Sales and Stock Associate

Aug. 2019 – Nov. 2019

Provided knowledgeable, customer-focused guidance on products and services to streamline the shopping experience while ensuring optimal value in terms of quality and cost.

Relocation to Colorado

Jun. 2019 – Jul. 2019

Monte Carlo

Server

Feb. 2019 – May 2019

Delivered high-quality food service in a welcoming, efficient environment that enhanced customer satisfaction by minimizing wait times and providing personalized, attentive interactions, ensuring each guest enjoyed a memorable dining experience.

Springboard Bootcamp Certification in Machine Learning Completion

Aug. 2018 – Jan. 2019

Startek

Customer Service Representative

Feb. 2018 – Jul. 2018

Resolved T-Mobile customer issues by handling inbound calls and guiding customers step by step through the resolution process, ensuring clarity, understanding, and high levels of customer satisfaction.

Preparing for and taking Physics graduate placement examinations.

Dec. 2017 – Jan. 2018

Startek

Customer Service Representative

May 2017 – Nov. 2017

Delivered timely, effective resolutions and long-term solutions for Grubhub customers regarding food orders and deliveries, improving issue resolution time and increasing customer retention and continued platform use.

Radford University

Full-Time Student

Jan. 2015 – Dec. 2016

Radford University

Work Study

Jun. 2015 – Aug. 2015

Prepared lab reports for 100 and 200 level courses

Personal Projects

Weather and Location

Github: https://github.com/nwhisler/Weather_And_Location

- This app displays the user's current location and temperature by using the JavaScript navigator object to obtain geographic coordinates, which are then sent to a weather API that returns the corresponding temperature.

NFL Standings

Github: https://github.com/nwhisler/NFL_Standings

- This code retrieves, processes, and displays up-to-date NFL standings and statistics, then applies linear regression to illustrate how the current standings might look based on each team's total touchdowns relative to the league average.