# Nick Waggoner

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## SUMMARY

To obtain a software analyst position where I can leverage innovation to create positive user experiences through quality code, debugging, and testing

## RELEVANT EXPERIENCE

**Radiometrics Corporation, Boulder, CO May 2022-Nov 2022**

*Junior Software Engineer, Remote from Colorado Springs*

- Project Management and software development modernizing company's primary web application product including 7 years of software updates using React.js/Next.js with Typescript, GraphQL, Docker, and D3 for real-time data visualization of radiometer weather skew-t and profile plots
- Supporting and debugging Golang/Go (code) backend server launched with RabbitMQ and PostgreSQL
- Software analysis and debugging for full-stack web application

## OTHER EXPERIENCE

**Chick-fil-A, Oct 2020-Present**

*Team Leader (Assistant Management), Colorado Springs*

- Developed a geographic information system (GIS) data visualization with Mapbox and GitHub Pages to inform delivery team optimization through speed of service
- Maintained 4/5 stars from customer reviews for customer service and resolving customer concerns
- Top performer for quality assurance, logistics, and strategy leading a 20-person food delivery team reflected in productivity, sales, and on-time delivery metrics

## SKILLS

**Programming Languages:** Python, JavaScript, C/C++, Java, UNIX/Linux, CSS, HTML, Ruby on Rails

**Tools and Frameworks:** React.js, LaTeX, GraphQL, Git, GitHub/GitLab, Mapbox, Virtual Machines, D3 (data-driven documents), Docker

**Concepts:** Agile/Scrum, Software Development Lifecycle, REST, Test-Driven Design, OOP (Object Oriented Programming), Big Data, CI/CD, Automated Testing, Data Structures, Algorithm Analysis

**Professional Skills:** Project Management, Teamwork, Leading Teams, Research, Written and Verbal Communication

## PROJECTS

**Portfolio Website with Next.Js, Tailwind CSS, and Deployed with Vercel –** www.nswagg.com
**Chick-fil-A GIS Delivery Zone Optimization –** www.nswagg.com/cfagis
**Particle Swarm Optimization with Moving/Degrading Targets – May 2023**
Particle Swarm experiment simulating bee/ant colony consuming dynamic food sources

## EDUCATION

**University of Colorado Colorado Springs, 2022**

*Bachelor of Innovation; Computer Science (Distinguished Engineer Award with High Honors) 3.8/4.0 GPA*
*Collateral: Creative Communication*