

Nick Watts

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SUMMARY

Veteran and software developer with a strong foundation in computer science and a proven ability to lead, adapt, and deliver results. Experienced in Java, Python, and C#, with a growing portfolio of projects in systems and web development. Skilled in collaborating across teams, improving workflows, and building reliable, maintainable solutions. Eager to bring a mission-driven mindset and technical skillset to dynamic development teams.

EDUCATION

University of West Georgia – *B.S. in Computer Science*

Aug 2021 – Present | GPA: 3.33

Relevant Coursework:

- **Core Programming:** Introduction to Computing, Computer Science I & II, Program Construction I & II
- **Software Engineering:** Software Engineering I & II, Professional & Technical Writing
- **Systems Programming:** Systems Programming, Networks & Security
- **Theory & Math:** Data Structures & Discrete Math I & II, Linear Algebra, Elementary Statistics, Calculus I, Calculus II
- **Specialized Topics:** DevOps, Intelligent Systems, Introduction to Web Development

EXPERIENCE

Summer Technology Intern

Fiserv – Alpharetta, GA | Jun 2025 – Aug 2025

- Built and deployed Python-based automation tools to AWS, streamlining key internal processes, reducing manual effort, and improving operational accuracy
- Quickly adapted to new technologies and frameworks by independently exploring and deploying software projects locally, ensuring thorough and accurate documentation revisions
- Configured and maintained GitLab CI/CD pipelines, leveraging self-managed GitLab runners to automate deployment workflows and ensure consistent, secure integration of internal automation tools
- Updated and enhanced internal documentation for automation workflows, clearly detailing usage instructions, troubleshooting steps, and implementation guidelines.

Unit Secretary

Piedmont Urgent Care – Newnan, GA | Apr 2023 – Dec 2023

- Managed and maintained electronic patient records with strict adherence to HIPAA compliance
- Processed and dispensed medications based on healthcare provider prescriptions
- Discharged ~100 patients daily, contributing to efficient clinic operations
- Tracked and documented controlled substance inventory using internal systems and protocols

Correctional Specialist

U.S. Marine Corps – MCAS Miramar & Camp Pendleton, CA | Aug 2016 – Jun 2021

- Supervised over 200 individuals while overseeing records, reporting, and facility operations
- Provided internal tech support and maintained 100+ digital systems for personnel data and training compliance
- Planned, executed, and led training programs to ensure compliance with American Correctional Association (ACA) standards
- Utilized leadership, communication, and de-escalation skills in high-pressure environments
- Recognized with the Navy and Marine Corps Achievement Medal for exemplary service and leadership

PROJECTS

Predictive Modeling & Deep Learning Project – Python | Sklearn | RNN | Data Science ***Final project for Intelligent Systems course (Grade: 100/100)***

- Engineered a refined dataset from raw inputs through feature selection, one-hot encoding, normalization, and missing value imputation
- Improved model performance by implementing data-driven feature engineering, boosting the F1-score from 0.492 to 0.751 using logistic regression
- Designed and trained a custom RNN to explore sequential data prediction, hyperparameter tuning, and class imbalance strategies

- Discovered deep learning limitations for the given problem and demonstrated stronger performance using classical ML techniques
- Authored a comprehensive technical report explaining methodology, results, and lessons learned

DevOps Desktop Application – JavaFX | Maven | CI/CD | MVVM Design Pattern

Final Project for DevOps Course [GitHub](#)

- Developed a modular JavaFX desktop application using the MVVM architecture
- Implemented GitHub Actions to enforce code quality through Checkstyle and automated unit testing with JUnit
- Managed dependencies and build processes using Maven for a streamlined development workflow
- Developed a NextJS website that hosted the desktop application for public download

Full-Stack Q&A Platform – Next.js | MongoDB | Auth.js | Stripe | Zod | Tailwind | Blender

Currently Hosted Here: <https://www.merequestions.com/>

- Architected a comprehensive Q&A platform with secure user authentication, role-based access control, and API route protection using Next.js and Auth.js (MongoDB adapter)
- Integrated Stripe for monthly subscription plans, enabling dynamic access control and plan management via a dedicated payment portal
- Designed API routes to handle user interactions, form submissions, and database updates with Zod-powered validation and session checks for secure request handling

- Built a responsive and mobile-friendly UI with Tailwind CSS for a consistent and accessible experience across devices
- Created and animated original 3D models in Blender for use in navigation and visual theming, blending technical function with creative design
- Developed all features independently, including backend architecture, database schema design, payment logic, and client-side functionality

SKILLS

Languages & Frameworks:

Java, Python, C#, C++, TypeScript, HTML, CSS

Tools & Technologies:

Git, GitHub Actions, Maven, Visual Studio, Blender, GitLab, Selenium, AWS

Concepts & Practices:

Object-Oriented Programming (OOP), Data Structures & Algorithms, Software Engineering, Web Development, Systems Programming, DevOps (CI/CD, Testing, Linting)

Soft Skills:

Leadership, Communication, Documentation, Team Training, Process Improvement, Workflow Optimization