

ZEYAD GADELRAH

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SUMMARY

Computer Science student with hands-on experience building full-stack applications in Python, Java, and JavaScript. Led a six-person team through a complete software development lifecycle project in Django and taught university mathematics as an award-winning Supplemental Instruction Leader. Seeking a software engineering internship where I can contribute to a production codebase and learn from experienced engineers.

EDUCATION

University of Wisconsin–Milwaukee — Milwaukee, WI
B.S. in Computer Science | GPA: 3.4 / 4.0

Expected May 2028

Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Introduction to Software Engineering, System Programming (C), Intermediate Computer Programming (Java), Introductory Computer Programming (Java)

PROJECTS

TA / Instructor Office Hours Scheduler — Python, Django, SQLite, Git, SOLID, Agile/Scrum
Team of 6 | Academic group project | Private repository — code available upon request

Spring 2026

- Directed a six-person team through the full software development lifecycle, from requirements gathering and system design through implementation, owning task delegation and technical decision-making
- Co-authored High-Level and Low-Level Design documents formalizing system architecture, relational database schema, and component interactions prior to development
- Engineered the core Django backend, including relational data models and scheduling logic that detects and resolves booking conflicts across TA and instructor availability
- Established test-driven development and a mandatory pull-request review process for all merges, catching defects before they reached the main branch

Zombie Survival Backpack — JavaScript (ES6), HTML5, CSS3
[Live Demo](#) | [Source Code](#)

Personal Project

- Architected a browser-based survival game around an object-oriented class hierarchy: a base Player class extended by five subclasses (Soldier, Scout, Medic, Raptor, Intel)
- Applied inheritance and polymorphism so each subclass overrides a single bonus method, allowing core game logic to operate on any player type without branching on concrete class
- Built the complete user interface in HTML and CSS, handling multi-screen navigation and real-time state updates

EXPERIENCE

University of Wisconsin–Milwaukee — Milwaukee, WI
Supplemental Instruction Leader

Sep 2025 – Present

- Awarded "**Outstanding New Supplemental Instruction Leader**" in recognition of first-semester performance
- Led daily supplemental instruction sessions for groups of 3-5 undergraduate students in university mathematics courses, sustained across two academic semesters
- Hosted comprehensive exam review sessions targeting high-difficulty concepts and the errors students most commonly make
- Coached students on study strategy and problem decomposition, adapting explanations of complex material to a wide range of skill levels

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, HTML/CSS

Frameworks & Libraries: Django, JUnit

Developer Tools: Git, GitHub, SQLite, VS Code, IntelliJ IDEA, PyCharm, Eclipse

Practices: Object-Oriented Design, Test-Driven Development, Pull-Request Code Review, SOLID principles, Agile/Scrum SDLC