

# Kaden Hunt

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## SUMMARY

Senior Computer Science student at Western Kentucky University (Spring 2026) focused on building reliable software with strong testing, clear documentation, and practical DevOps workflows. Hands-on project work includes pytest automation with CI, containerized microservices, and networked systems.

## EDUCATION

2022 – Present	<b>Western Kentucky University</b> — B.S. in Computer Science, User Experience Certificate (Expected Spring 2026)
2020 – 2022	<b>Elizabethtown Community &amp; Technical College</b> — Associate in Science
2018 – 2022	<b>John Hardin High School</b> — High School Honors Diploma

## EXPERIENCE

<b>Resident Assistant</b> — <b>Western Kentucky University — Bowling Green, KY</b>	Jan 2023 – Present
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- Support a diverse community of student residents; foster a welcoming, inclusive floor culture.
- Plan and run programs that support academic success, wellness, and social connection.
- Communicate with residents, parents, and staff; uphold university policies and safety.

<b>Desk Assistant</b> — <b>Western Kentucky University — Bowling Green, KY</b>	Aug 2022 – Dec 2022
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- Monitored building access, verified IDs, and logged guest visitation.
- Provided front-desk support; communicated with residents and professional staff.

## PROJECTS

### Distributed System Test Automation Framework



Built a `pytest`-based automation framework with YAML-driven test definitions for a distributed system. Integrated **GitHub Actions** so tests run automatically on push/PR and publish JUnit/coverage artifacts for fast triage.

### Socket File Transfer + Performance Analysis



Implemented a Java client/server file transfer protocol over TCP with chunked streaming, metadata exchange, and robust error handling. Added a V2 with GZIP compression and a CSV-driven analysis workflow to compare throughput and resource usage.

### Three-Pass Compiler (Containerized Microservices)



Implemented a lexer, parser, and code generation pipeline for a small language with a defined grammar. Packaged compiler stages as Docker Compose services for reproducible runs; added line-numbered error reporting and basic IR/codegen optimizations.

## SKILLS

Languages & Web	Python, Java, C/C++, JavaScript, HTML, CSS
Tools & DevOps	Git, GitHub, GitHub Actions, Linux, Docker, Docker Compose
Systems & Concepts	Socket programming, testing/automation, CI pipelines, performance analysis
UX & Collaboration	UX mindset, wireframing/prototyping (Figma), leadership, communication