

Peter Johnstone

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EDUCATION

Stonehill College

Bachelor of Science in Computer Science, Minor in Mathematics

North Easton, MA

Aug. 2022 – May 2026

TECHNICAL SKILLS

Languages & Developer Tools: Python, Java, C/C++, JavaScript, HTML/CSS, R, Vercel, Git, Docker, Jenkins

Frameworks & Libraries: React, Node.js, Flask, Django, WordPress, FastAPI, LangChain, HuggingFace, Polars

Databases & Cloud Platforms: SQL (Postgres), MongoDB, Supabase, AWS S3 + SQS, Google & Microsoft Cloud

Concepts: Agile, REST APIs, Databases, LLMs + RAG, Automated Workflows, Data Retrieval, Network Security

EXPERIENCE

Software Engineer Intern

May 2025 – May 2026

Cisco Systems

Atlanta, GA

- Created an internal Confluence for 100+ core network detections, tracing Python/Django logic and SQL queries across PostgreSQL, Vertica, 15 repositories and 300+ files, reducing detection analysis from hours of code and SQL tracing to 1-2 minutes
- Reverse-engineered 100+ Python/SQL-based legacy detections into scalable, self-contained JSON NDR rules and identified 15+ platform gaps, partnering with a principal engineer to prioritize migration to Cisco's newer SNA engine
- Automated detection QA with Wireshark, Claude Code, and MCP, cutting full-suite testing from 100-200 hours down to 1-2 hours and catching defects in 15 detections before production
- Trained 6 of 7 teammates, including 2 QA engineers, 3 software engineers, and the team lead, to use the Claude Code/MCP testing workflow, enabling continued adoption and handoff of the automation after the internship

Web Developer Intern

August 2024 – May 2026

Stonehill Digital Innovation Lab

North Easton, MA

- Re-architected a WordPress literary magazine by migrating 200+ submissions into a structured Posts system and custom PHP theme, cutting homepage average load time from 10+ seconds down to 1-2 seconds
- Replaced 3 outdated plugins with custom theme functionality, reducing dependencies to 1 free plugin and eliminating \$200/year in licensing costs
- Streamlined content publishing with automated release tagging and ordering, reducing publishing time from around 20 minutes down to 5-10 minutes per submission; trained the site owner on the theme, which remains in production

Data Structures Learning Assistant

Aug. 2024 – Dec. 2024

Stonehill College

North Easton, MA

- Served as the sole tutor for a 40 student Java Data Structures course, delivering 42 hours of instruction on trees, graphs, hash tables, recursion, backtracking, Big-O analysis, and other core concepts
- Developed midterm and final practice exams for all 40 students, drawing 25-30 students per review session; materials were retained by the professor for future semesters

PROJECTS

Holocron Qualitative Coding | *Python, Django, React, PostgreSQL, Docker, Jenkins*

Jan. 2026 – May 2026

- Led infrastructure and security for a 13-person capstone, building a Dockerized DigitalOcean/Jenkins CI/CD pipeline with 10 minute deployments and 10-15 minute local setup
- Integrated an OpenAI Codex PR reviewer, cutting developer feedback from days down to minutes while catching code quality issues before human review
- Hardened production infrastructure against thousands of brute-force attempts per minute, implementing geo-restrictions and Fail2ban policies that blocked 100+ malicious IPs with no breach

Recipe Manager | *Python, Flask, JavaScript, JQuery, HTML, CSS*

Feb. 2024 – May 2024

- Built a full-stack Flask, SQLite, and jQuery recipe platform with user authentication, public/private recipes, sharing, favorites, and an MVC-style architecture
- Developed real-time ingredient search that filters recipes as users type and returns the top 6 matches, helping users find meals based on available ingredients