

ALLEN WORRELL

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Summary

Software engineer with a foundation in OOP, algorithms, and data structures, experienced building data-driven applications and ETL pipelines with Python and SQL. Comfortable across the stack in Agile/Scrum teams, with Computer Science and Education degrees in progress.

Technical Skills

Programming Languages	Python, Java, C++, TypeScript, JavaScript, SQL
AI / ML	PyTorch, Hugging Face, Whisper, WhisperX, Claude, Codex
Frameworks	Flask, React, Next.js, NestJS
Data	PostgreSQL, ETL/ELT, Data Wrangling, Data Integration
Tools	Git, GitHub, Azure DevOps, Bitbucket, Jira, AWS, CI/CD, Kubernetes, REST APIs, CRUD, Scrum, Linux, Figma, Claude Design

Experience

AI Software InternAug 2026 - Present

ATrack Solutions, Inc.Hollywood, FL

- Develop AI/ML features and CRUD data pipelines for a HIPAA-compliant ABA therapy platform on AWS, deployed via Bitbucket CI/CD
- Developed a Claude-powered product research agent to answer stakeholder questions, cutting token usage by 30%
- Created and scoped my own Jira tickets; collaborate through daily stand-ups, code reviews, and Scrum sprint planning

Full Stack Development InternJune 2026 - Aug 2026

Marketeq Digital Inc.Miami, FL

- Built 8+ React/Next.js components from Figma designs, connected to 5+ NestJS APIs in TypeScript
- Used SQL queries on PostgreSQL data to guide ETL/BI reporting design; joined daily Agile/Scrum stand-ups
- Managed branches and pull requests with Git in a GitHub monorepo shared by a 30+ person team

WebmasterMay 2024 - Present

Mako Media NetworkDavie, FL

- Maintained a student media website for Nova Southeastern's 20,000+ students, publishing 400+ articles and updating 20+ pages
- Improved layouts with HTML/CSS and wrote custom JavaScript to auto-display rotating weekly radio show schedules
- Contributed to an estimated 35% increase in website traffic and engagement across campus media pages

Projects

CityShift (ShellHacks 2026)devpost.com/software/jar-kwq2el

- Helped autonomous vehicle teams find safer test routes in new cities by building a FastAPI/Python backend that splits an 8 km city radius into H3 hex cells and scores each against 1,153 reference hexagons from five cities
- Integrated OSMnx, Google Maps, and Gemini APIs with NHTSA crash data for ranked AV test scenarios on a Next.js/React frontend

AI Multi-Speaker Transcription Web Applicationgithub.com/AllenDWorrell/Audio-transcriber

- Built a Python/Flask app with validated REST routes for .wav/.mp3/.m4a, returning JSON transcripts
- Designed a PyTorch pipeline integrating OpenAI Whisper with Hugging Face diarization for speaker-labeled output

Education

Dual Bachelor of Science – Computer Science & EducationExpected May 2027

Nova Southeastern UniversityDavie, FL

- GPA: 3.72/4.0
- Honors Program | Dean's List (Winter 2025, Winter 2026) | Fischler Academy Scholarship Recipient
- Secretary, ACM E-Board (Jan 2025 - Winter 2026)
- Coursework: Data Structures, Algorithms, Software Engineering, Linear Algebra, Probability & Statistics

Certificates

[AWS Cloud Technical Essentials](#)Amazon Web Services (Coursera), Sep 2026

[Kubernetes Fundamentals](#)LearnKartS (Coursera)

Awards & Honors

- ACM Hack-a-thon, Third Place (2024)
- Eagle Scout (2021)