

TUNCAY ÖLMEZ

Software Developer Intern Candidate

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EDUCATION

Ondokuz Mayıs University

Computer Programming, Associate's Degree | GPA: 3.13 / 4.00

Samsun, Turkey

Expected Graduation: 2027

PROJECTS

next-secure-check | *TypeScript, Node.js, Next.js, Vitest, GitHub Actions, SARIF, npm*

May 2026 – Present

- Published **next-secure-check v0.2.1** as an open-source npm CLI for deterministic security sanity checks in Next.js projects, covering .env leaks, hardcoded secrets, unsafe API routes, rate-limit gaps, XSS risks, raw SQL, upload validation, and security headers.
- Shipped context-aware scanning, preset-based scans, AST-assisted checks for command execution, raw SQL, dangerous HTML rendering and password handling, GitHub Actions/SARIF output, npm release workflow, and **374 passing tests**.

Nihongo Learn | *Next.js, TypeScript, Tailwind CSS, Zustand*

2026

- Built a local MVP focused on Japanese language learning for Turkish speakers, including Hiragana/Katakana practice flows, SM-2 spaced repetition, quizzes, XP/streak tracking, and mini-story exercises.
- Designed the frontend architecture, state management, and Supabase auth/sync plan; next steps include Vercel deployment, auth refinement, PWA/audio research, and user testing.

BioVoid | *Python, Biopython, ProDy, SciPy, FastAPI*

2026

- Developed a research prototype for analyzing potential hidden binding sites and cryptic pocket regions in protein structures.
- Combined PDB parsing, Normal Mode Analysis, Voronoi-based cavity analysis, hydrophobic filtering, CLI workflows, sample data, and FastAPI dashboard experiments into a single analysis pipeline.

KriptoVoidBot | *Python, asyncio, ccxt, SQLite, Telegram Bot API*

2026

- Developed a Python automation project that tests an ATR-based grid strategy on MEXC in a paper-trading environment.
- Worked on coin scanning, dynamic grid logic, Telegram notifications, SQLite logging, and risk-control flows; no financial performance claims are made.

TECHNICAL SKILLS

Active: Python, TypeScript, Next.js/React, Node.js, Git/GitHub, SQLite

Exposure: FastAPI, Supabase auth/sync, Oracle Cloud, PM2/Nginx, Docker basics, npm package publishing, GitHub Actions, SARIF

Developing: SQL, algorithms and data structures, debugging, test writing, code reading, documentation

AI Tools: Claude Code, Cursor, Codex CLI, GitHub Copilot; used for AI-assisted development, research, code review, debugging, testing strategy, and documentation support

WRITING

Dev.to Technical Articles | *AI-assisted development, benchmarking, ZIP experiments*

2025

- Published technical articles on ZIP parsing, benchmark errors, Python limitations, rollback decisions, and lessons learned from AI-assisted development workflows.

CERTIFICATIONS

Udemy: Become an Ethical Hacker Course (30.5 hrs), Ethical Hacker: Network Attacks & Security 2025 (9.5 hrs), The Complete AI Coding Course: Cursor, Claude Code (12 hrs)