

ZACHARY KLEIMAN | Kew Gardens, NY | zacharymkleiman@gmail.com | (917) 748-6503
therootuser.dev • Github: <https://github.com/Zacharymk1213> • GitLab: gitlab.com/ZacharyKleiman

EDUCATION

WGU | Bachelor of Science in Computer Science | 2025

Certifications Obtained: Linux Foundations Certification, Axelos ITIL Foundation Certification

Transferred from: CUNY Queens College | Bachelor of Science in Computer Science | 2022 – 2024 | GPA: 3.65

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript (Node.js), Java, ANTLR4, SQL, Bash,

Web & Backend: REST APIs, Spring Boot, Express, HTML/CSS, Linux, Nginx, WordPress, Apache

Data & ML: PostgreSQL, SQLite, MySQL, scikit-learn, data cleaning, feature engineering, K-fold validation

DevOps & Infra: AWS, DigitalOcean, CI/CD, server provisioning, cost optimization, logging & metrics (AWStats)

EXPERIENCE

Web Developer (2024-Present)

- Built and operated rabbimayerschiller.com on a paid basis, a Spring Boot document and media archive (39k+ annual users), personally digitizing primary-source materials from numerous institutions, and cut hosting costs by 54% while maintaining performance. Ported from an initial Express implementation (2024-2026).
- Built timrosen.com in Express (2025), a platform for Prof. Tim Rosen to market his books and blog and did paid consulting and bug-fixing for his business Tim's Tours NYC to fix issues with his website.
- Provided paid consulting on a prospective forms-platform migration for Jeff Neil's Career Clarity Coaching & Counseling, evaluating options and recommending an implementation approach.
- Transferred therootuser.dev from an Express implementation to a Wordpress implementation.

Open Source Work (2023-Present)

- [Created](#) the Windows pipeline for Gnome Text Editor (2023), enabling the application to be successfully built and deployed on Windows for the first time. This surfaced and helped resolve a 22-year-old Binutils bug.
- Built dar.js (2024-2025), a TypeScript-based transpiler converting the DAR Language to HTML, now [publicly promoted](#) and heavily used in daily editorial workflows by Pninim, with supervisor crediting it for a multi-level improvement in publication quality; separately reimplemented the DAR grammar in JavaScript using ANTLR for [DarANTLR](#) (2025-2026), completing a full rewrite and HTML-emitting visitor in a 2-week sprint with 162 unit tests.
- Built and released two apps: [File Searcher](#), a Python-based Word-document search tool developed for Community Board 7 and approved for internal IT use after reducing manual file sorting time; and Connections App, a database-backed network-management tool published on the [Snap Store](#) with [Windows and Linux builds](#) on GitHub.
- [Created](#) the official SRT grammar for the ANTLR/grammars-v4 repository, the world's primary collection of language specifications used by major tech firms such as X, Apple and Apache for compiler and tool development. (2025)
- [Built and maintained](#) cross-platform CI/CD pipelines for Benedek Farsang's CLI Calculator, enabling the application to be ported from Linux to macOS and Windows; contributed unit tests and bug fixes for improved reliability. (2026)

Machine Learning (2025)

- Analyzed 1.0M+ Big Five personality records merged with multi-year CATO Human Freedom Index data, building a full cleaning and imputation pipeline and training models achieving $R^2 = 0.50-0.79$ across 8 political freedom categories, validated via K-Fold and documented in an academic-style [paper](#). (2025)