

Erkin Tunc Boya

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Seeking a **3–5 month internship** starting in **April 2027**, primarily in **backend software engineering**, while remaining open to full-stack and other software development roles.

PROJECTS

- 2026 – 1 month **AeroReserve - Flight Booking System** [Code](#) – Java, Gradle, JUnit 5, Design Patterns
- Developed a Java flight reservation system covering flights, bookings, pricing, and payments.
 - Implemented Economy, Business, and promotional pricing policies using the Strategy pattern.
 - Enforced valid reservation state transitions, preventing confirmation before payment through the State pattern.
 - Validated pricing, payments, and reservation workflows with automated JUnit 5 tests.
- 2025 – 3 weeks **B-Tree Indexing Engine** [Code](#) – Java, Gradle, JUnit 5, GitHub Actions (CI)
- Built a Java indexing engine to organize and search approximately 35,000 French municipality names.
 - Implemented exact searches, alphabetical range queries, and prefix searches that ignore capitalization and accents.
 - Improved search reliability by correcting duplicate-key handling and preventing valid results from being skipped in range queries.
 - Added automated JUnit 5 regression tests and GitHub Actions (CI) to detect errors during code changes.
- 2025 – 1 month **Collaborative Task Backend** [Code](#) – Django 5.1, Django ORM, SQLite
- Built a collaborative task management application supporting users, teams, assignments, and hierarchical subtasks.
 - Implemented role-based task permissions, allowing authorized collaborators to update tasks while restricting deletion to creators and administrators.
 - Designed relational data models and automated user profile creation using Django ORM and signals.
 - Manually validated authentication and permission workflows across different user roles and access scenarios.

EDUCATION

- 2026 – 2028 **Master's Programme in Computer Science**
Université Clermont Auvergne / ISIMA
- Software development: Software Engineering, Middleware, Recursive Algorithms
 - Data, systems, and security: Database Foundations, Networks and Security
- 2022 – 2026 **Bachelor's Degree in Computer Science**
Université Clermont Auvergne Computer Science Track

TECHNICAL SKILLS

Programming	Java, Python, C, JavaScript
Backend & Frontend	Django 5.1 (ORM, Authentication, ModelForms, Signals), HTML5, CSS3, AJAX, Responsive Design
Databases	SQLite (SQL queries), Django ORM (relational modelling)
Testing & Build	JUnit 5, Unit Testing, Gradle
Developer Tools	Git, GitHub, Linux (Ubuntu)
Concepts	Data Structures & Algorithms, OOP, Design Patterns, Modular Architecture

TRAINING & CERTIFICATES

- 2026 – Ongoing **100 Days of Code – Web Development Bootcamp** – (In Progress) Udemy, Academind – 79 h
- Frontend development: HTML5, CSS3, JavaScript and responsive interfaces.
 - Introduction to backend development: Node.js and Express.js fundamentals.

LANGUAGES

English B2 – TOEIC 875/990 Used daily in conversation	French B2 – DELF B2 used daily
Turkish Native	Spanish Beginner

SOFT SKILLS

Synthesis skills	Pragmatism
Reliability	Methodical approach