Electro-Graphite Web Portfolio Requirements

# 1. Project Overview

This document outlines the detailed requirements for Uğur Emin Baynal’s personal portfolio website, referred to as the "Electro-Graphite" project. The site serves as a bilingual (primary: English, secondary: Turkish) digital portfolio, highlighting engineering projects, experience, skills, and certifications.

# 2. General Requirements

- Primary Language: English  
- Secondary Language: Turkish (toggle via top navigation)  
- Fully responsive (mobile, tablet, desktop)  
- Dark-themed user interface with technical, electrical aesthetics  
- Optimized for performance, accessibility, and SEO

# 3. Visual Design & Theme

Theme Name: Electro-Graphite

Color Palette:

- Background (Primary): #0f0f0f (Night Graphite)  
- Background (Cards): #1f1f1f (Smoky Steel)  
- Text (Main): #e0e0e0 (Cloud White)  
- Accent: #00ffff (Electric Cyan)  
- Secondary Accent: #2979ff (Neon Blue)  
- Action Buttons: #ff6f00 (Cyber Orange)  
- Borders/Shadows: #2c2c2c (Soft Graphite)

# 4. Typography

Font Stack: IBM Plex Sans, Inter, JetBrains Mono

- H1: IBM Plex Sans, 48px, 700, #e0e0e0  
- H2: IBM Plex Sans, 32px, 600, #e0e0e0  
- H3: JetBrains Mono, 24px, 500, #00ffff  
- Body: Inter, 16px, 400, #e0e0e0  
- Body Small: Inter, 14px, 400, #c7c7c7  
- Code/Accent: JetBrains Mono, 16px, 500, #2979ff  
- Buttons: Inter, 16px, 600, background #ff6f00, text #0f0f0f  
- Nav/Footer: Inter, 14px, 500, #a0a0a0

# 5. Page Structure

Home (/): Hero section, CTA, language switch, minimal intro

About (/about): Bio, education, technical & soft skills

Projects (/projects): Cards with filters, modal/project pages

Experience (/experience): Timeline of work & internships

Certificates (/certificates): Grid with optional links

Community (/community): Leadership, volunteering, MUN

Contact (/contact): Form, links, location, CV download

# 6. Component Architecture

- Navbar: Name/logo, navigation links, language toggle  
- HeroSection: Name, titles, CTA buttons  
- ProjectCard: Title, description, tags, links  
- TimelineItem: For experience, education  
- CertCard: Certificate name, organization, link  
- LanguageToggle: EN/TR switch (i18n support)  
- ContactForm: Input fields + message  
- Footer: Navigation links, social, copyright

# 7. Layout & Grid System

- 12-column responsive layout  
- Breakpoints: Desktop (≥1024px), Tablet (≥768px), Mobile (<768px)  
- Flexible rem/% based sizing with appropriate paddings and margins

# 8. UX Guidelines

- Hover effects for interactive elements  
- Active state indication for navigation and buttons  
- Scroll-based reveal animations  
- Accessible color contrast and tab-indexing  
- Responsive touch targets on mobile devices

# 9. SEO & Optimization

- SSR (Next.js/Astro) for fast first paint  
- Structured meta tags and OpenGraph data  
- Multilingual SEO via hreflang/canonical URLs  
- Lighthouse performance score target: 90+