

# Doruk Ersoy

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## Education

<b>University College London (UCL)</b> BSc in Computer Science	London, UK 2024 – 2027
• Achieved First Class Honours (1:1) overall in Year 1 (78.6/100) with all modules graded First. • President of Game Development Society and Sponsor & Outreach Officer of Turkish Society.	
<b>Koc High School (with 40% Merit-Based Scholarship)</b> Graduated from IB (40/45) and Turkish National Diploma (93.76/100).	Istanbul, Turkey 2020 – 2024

## Experience

<b>Internship, Software/AI Engineer</b> Selco Consulting	Istanbul, Turkey August 2025 – Present
• Benchmarked IBM Watsonx AI agents for Turkish summarisation to support client applications. • Authored two research projects about LLM memory storage and ML usage in retail forecasting. • Developed a React app that visualises Petrol Ofisi oil warehouses and travel routes on the Turkey map. • Contributed to a SQL-Python review app for database comparisons that generates Excel reports.	
<b>President, Game Development Society</b> University College London	London, UK June 2025 – Present
• Organised weekly events, tutorials, and game jams for 80+ members. • Directed team-based development and led jams like the Global Game Jam, making Untitled Bubble Game.	
<b>Internship, Front-end Web Development</b> Hepsiburada	Istanbul, Turkey January 2023 – February 2023
• Created Elementify, a website which converts strings into elements leveraging JS/HTML/CSS. • Participated in meetings and technical discussions on localisation and package size management.	
<b>Internship, Back-end Web Development</b> IBTech International Information and Communication Technologies (QNB Finansbank)	Istanbul, Turkey August 2022 - August 2022
• Got introduced to quality assurance processes and server architecture by analysing apps of Finansbank. • Designed a basic MVC website operating Visual Studio IDE to become familiar with application architecture.	

## Projects

<b>IBM Watsonx Turkish Benchmark Test</b>   <i>Python, IBM Watsonx, Git</i>	2025
• Implemented ROUGE-1/2/L tests to compare Watsonx Agent models' Turkish summarisation performance. • Published results on GitHub, presented to IBM, and received positive feedback from their development team.	
<b>Portfolio Website</b>   <i>Next.js, TypeScript, Tailwind, Vercel</i>	2025
• Designed and deployed a modular full-stack portfolio site with server-side rendering and type-safety. • Implemented caching and reusable layouts to improve scalability, developer experience, and performance.	
<b>Search Filter Extension</b>   <i>JavaScript, HTML, CSS, Git</i>	2025
• Built a Chrome extension for advanced search filtering with site blocking through highlight/hide functionality. • Collaborated with 3 other UCL peers to develop and document our process through a YouTube demo.	
<b>Class Manager</b>   <i>React, MongoDB, JavaScript, Git</i>	2024
• Constructed a full-stack React app for my piano teacher to manage students, lessons, and payments. • Implemented instant translation, availability checks, and student progress analytics to improve accessibility.	
<b>Beyin Gocu</b>   <i>HTML, CSS</i>	2023
• Co-founded a student association to share IB/AP knowledge through web and video content. • Managed the website and YouTube (20+ videos, 1k+ views).	

## Technical Skills

**Languages:** Python, C, JavaScript, TypeScript, HTML/CSS/Tailwind, Java, SQL, C#, GDScript, Haskell

**Engines/Frameworks:** React, Next.js, Node.js, MongoDB, Godot, Unity

**Developer Tools:** Git, Vercel, Visual Studio, VS Code, Arduino, ESP32