

YIGIT KEREM OKTAY

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SKILLS

PHP & Laravel Programming · WordPress · Swift & SwiftUI Programming · Assembly Programming · NodeJS & Next.js
Cisco and Linux System Administration · Mobile & Web Development with React · TailwindCSS · Git & GitHub
Mobile-ready & Accessible Web Design · MySQL & PostgreSQL · HTTP API Development

EDUCATION

- 2025 – Present **University of Illinois, Urbana-Champaign** United States
B.S. Electrical & Computer Engineering, expected graduation in 2028 | GPA: 4.0
* Selected to the Innovation Living Learning Community where I take entrepreneurship classes and have access to a maker lab 24/7 & Member of the ECE Open Lab
* Courses: Calculus III (MATH241), Intro to Electronics (ECE110), Intro to Computing (ECE120), Computer Systems & Programming (ECE220), Physics: Mechanics (PHYS211), Intro to CS (CS124), Discrete Structures (CS173)
- 2021 - 2025 **The Koc School** Istanbul, Turkey
The International Baccalaureate Diploma & Computer Science Department Award

EXPERIENCE

- 2016 – Present **The Skyfallen Company** Founder | Chicago, Illinois | London, United Kingdom | Istanbul, Turkey
Skyfallen is a company that was founded with a social initiative of bridging the digital divide between businesses, especially inspired by smaller businesses' lack of access to a digital presence and major benefits they can gain through establishing such a presence:
* Incorporated Skyfallen legally for the first time in London, UK in 2021
* Development of internal and publicly used tools with SAML, Laravel, React, MySQL and TailwindCSS, SEO optimisation (Skyfallen ONE and Skyfallen Success Manager)
* Providing software development services to over 100 customers varying from websites, web apps, mobile apps, embedded devices, system administration, IT infrastructure design, smart building design
* Providing consulting services regarding establishing a digital presence, starting e-commerce, incorporating globally, UI/UX design and business strategy
- 2025 - Present **Lyding Group** Undergraduate Researcher
I work with the Lyding Group at the University of Illinois which specialises in semiconductor design, observing research and working hands on with Scanning Tunnelling Microscopy.
- 2021-2025 **The Koc School FRC Club** Team Captain & Club President
The FRC is a robotics competition that requires the students to build a 1 metric-cube 40-60kg robot that completes tasks that are announced just a month prior to the competition in a basketball-court size field.
* Overseen and mentored robotics design, electronics manufacturing and robot machine learning
* Arranged across the ocean logistics of 800 kilograms of equipment and 20 people
* Created and conducted club admission processes of around a 4% acceptance rate with multiple stages including written exams, practical exams and interviews to go through over 200 applications annually in a high school of 1000,
* Established a workshop in our high school, obtained sponsored equipment worth 10,000\$+, conducted the interior design processes of the room.