

Temel Lodos Durak



CONTACT

(561) 931-9066 | tlodosdurak@gmail.com | Boca Raton, FL | github.com/TLodosDurak | linkedin.com/in/temel-lodos-durak
Portfolio Link: tlodosdurak.vercel.app **Youtube Link:** https://www.youtube.com/@top10countryrankings

Fall 2024 Software Engineering graduate with strong expertise in design, development, and testing. Proficient in multiple programming languages and development frameworks, with hands-on experience in full-stack development, database management, and cloud services. Seeking to contribute as a key member of a dynamic team.



EDUCATION

Florida Atlantic University

Bachelor of Science in Computer Science (BSCS) | Minor Artificial Intelligence | Minor Cybersecurity
Honors: (GPA: 3.9/4.0) | Dean's List (2023 & 2024)

Boca Raton, FL
August 2022-Fall 2024

George Washington University

Bachelor of Science in Computer Science (BSCS)

Washington, D.C
August 2019-May 2022

Relevant Coursework: Design and Analysis of Algorithms, Object-Oriented Design, Advanced Python Programming, Full-Stack Web Development, Principles of Software Engineering, Intro to Database Structures, Deep Learning, Artificial Intelligence, Data Mining Mach Learning, Foundations of Cybersecurity, Computer Architecture, Computer Operating Systems



PROFESSIONAL EXPERIENCE

Turkish Airlines

Web Backend Software Engineer Intern

Istanbul, Turkey
June–August 2022

- Improved the loyalty program's online services through full-stack development using **JavaScript**, **React** and **NextJS**, addressing and resolving numerous bug tickets.
- Managed **NoSQL (MongoDB)** databases to support web application development and deployment, leading to enhanced data management and application performance.
- Collaborated within the Miles and Smiles web backend and frontend office, focusing on enhancing user experience and website functionality.

Florida Atlantic University

Teaching Assistant, CDA 4102 Computer Architecture

Boca Raton, Florida
February–Sep 2023

- Facilitated student learning through **leading classes**, grading, and providing tailored support, enhancing understanding and performance in **computer architecture**.
- Deepened personal expertise in computer architecture while **mentoring** and supporting students in coursework and projects.



PROJECTS

Automated YouTube Channel

August 2023–Present

Developer and Server Admin

- Accomplished subscriber growth of **70K+** and **45 million+** views through automated content generation using a home **Raspberry Pi server** and custom **Python** physics engine.
- Developed a custom Python-based **physics engine** and **video generation pipeline** to be used in videos, resulting in high-quality, consistent content production with **99.5%** uptime and steady passive income.

Smart Wildlife Monitoring Camera

October 2023-May 2024

Project Manager & Team Lead

- Led a **team of five** to develop a wildlife camera system through integration of hardware and software using **Raspberry Pi**, **YOLOv5**, and **delay tolerant** Bluetooth data transfer.
- Managed the design and implementation of **solar-powered**, energy-efficient systems, resulting in **long-term**, remote wildlife observation with minimal need for maintenance or physical access to be used in **Skukuza Research Station** in South Africa.
- Achieved secure and reliable data transmission from remote locations through **Delay Tolerant Networking** and **node-to-node** custom **Bluetooth package transfer** ensuring data integrity in disrupted network conditions.

Cybersecurity in E-Commerce

May-June 2024

Full-Stack Developer

- Designed and developed a secure, demo e-commerce platform, implementing advanced encryption techniques using **bcrypt**, **scrypt**, and **argon2ID**.
- Performed rigorous **benchmarking** and comparison of encryption methods to establish best practices for protecting sensitive customer data.
- Created a secure and user-friendly interface using **React** and **DaisyUI**, demonstrating how enhanced security measures can improve user trust and engagement.



TECHNICAL SKILLS

Languages: Javascript, Python, Java, C#, C++, C, TypeScript, .NET, HTML, CSS

Developer Tools: Git, GitHub, AWS, Azure, Linux, Vim, Scrum, Agile, Slack, Jira, Vercel, and AI tools.

Frameworks/Libraries: React, Node.js, SQL/NoSQL, Next.js, Jest, CI/CD (GitHub Actions)