Temel Lodos Durak

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Computer Science 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 | Boca Raton, FL
Bachelor of Science in Computer Science (BSCS) | *Minor Artificial Intelligence* | *Minor Cybersecurity* | August 2022-Dec 2024
Honors: (GPA: 3.9/4.0) | Dean's List (2023 & 2024)

George Washington University | Washington, D.C
Bachelor of Science in Computer Science (BSCS) | 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 | Istanbul,Turkey
Web Backend Software Engineer Intern | 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 | Boca Raton, Florida
Teaching Assistant, CDA 4102 Computer Architecture | 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 **90K+** and **50 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)