BERK KAYABAŞ

Computer Scientist & Engineer

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CAREER OBJECTIVE

Aspiring software engineer with a strong foundation in computer science and hands-on experience in cybersecurity. Seeking to leverage technical skills in Python, C++, and security protocols to contribute to innovative technology solutions. Passionate about combining theoretical knowledge with practical application to solve complex problems in software development and information security.

EDUCATION

Sabancı University, *Istanbul, Turkey*
Bachelor of Science in Computer Science and Engineering | *November 2020 – June 2025*
• Minor in Mathematics
• Relevant Coursework: Data Structures, Algorithms, Machine Learning, Cybersecurity

Lycée Saint Benoît *Istanbul, Turkey*
High School Diploma | *November 2015 – June 2020*
• Average Grade: 91.78/100
• University Entrance Exam (YKS) Rank: 26,031

PROFESSIONAL EXPERIENCE

Software Development Intern | *LSG Teknoloji Ltd. Şti.* | *July – August 2023* • Conducted comprehensive comparative analysis of Multi-Factor Authentication (MFA) solutions, evaluating security protocols and identifying vulnerabilities across 5+ authentication systems • Successfully deployed SecurEnvoy MFA into production environment, improving company security posture by implementing additional authentication layers • Developed technical documentation and delivered training sessions to 20+ employees on MFA implementation and cybersecurity best practices

Cybersecurity Trainee | *Turkish Airlines Technology* - *Cyber Take-Off GRC Program* | *March – April 2023* • Completed intensive 8-week training program in "Fundamentals of Cyber Security" and "Fundamentals of Cyber Defense" • Participated in hands-on cyber defense simulations, gaining practical experience in penetration testing, threat detection, and incident response • Demonstrated proficiency in risk assessment methodologies and security mitigation techniques

Research Intern | *Austria Saint George Hospital* | *March – April 2019* • Gained exposure to healthcare technology systems across multiple departments, including Polyclinics, Biochemistry Lab, Radiology, Surgery, and ICU • Observed integration of advanced medical technologies with patient care workflows • Developed understanding of critical system reliability requirements in healthcare environments

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TECHNICAL SKILLS

Programming Languages • **Python** (Advanced): Machine Learning (scikit-learn, TensorFlow), Data Science (pandas, NumPy), Web Development (Django, Flask) • **C++** (Intermediate): Systems Programming, Algorithm Implementation, Performance Optimization • **Java** (Intermediate): Object-Oriented Development, Android Development, Enterprise Applications • **C#** (Novice): Game Development, Network Programming

Development & Tools • Software Development: Object-Oriented Programming, Agile Methodologies, API Design & Integration • Version Control: Git, GitHub • Database Management: SQL, NoSQL • Algorithm Design & Optimization

Systems & Security • **Operating Systems**: Windows Administration, Linux (Command Line, Scripting, Server Management) • **Cybersecurity**: SecurEnvoy MFA, NoSpam Proxy, Firewall Configuration, Encryption Protocols • **Networking**: Network Security Policies, Protocol Analysis, System Hardening

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LANGUAGES

• **English**: Proficient (Cambridge Assessment Grade C, Score: 183) • **French**: Fluent (DELF B2 Certification) • **Turkish**: Native

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EXTRACURRICULAR ACTIVITIES

SUCYBER Sabancı University Cybersecurity Club - Sponsorship Department | *2022* • Managed corporate sponsorship proposals and partnerships • Secured funding for cybersecurity initiatives through strategic industry engagement • Coordinated with technology companies to support educational programs

Offtown Festival Club - Active Member | *2021 – Present* • Contributed to planning and execution of large-scale campus events • Developed project management and teamwork skills through collaborative event organization • Enhanced community engagement and student participation in university activities

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INTERESTS & HOBBIES

Competitive Puzzle Solving • Rubik's Cube variants: 2x2, 3x3, 4x4, Pyraminx, Megaminx • Focus on algorithmic pattern recognition and optimization techniques

Magic & Sleight of Hand • Study of cognitive illusion and psychological deception principles • Performance experience in close-up magic and mentalism

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