Furkan Akin

224-766-6121 | furkana2@illinois.edu | LinkedIn | GitHub Portfolio

EDUCATION

University of Illinois at Urbana-Champaign   Champaign, IL
Bachelor of Science in Computer Science; GPA: 3.9 (In Progress)   *August 2024 – May 2026*

William Rainey Harper College   Palatine, IL
Associate of Science in Engineering; GPA: 4.0 (Final)   *August 2022 – May 2024*

Seattle Central College   Seattle, WA
Associate in Business; GPA: 3.8 (Final)   *August 2021 – May 2023*

EXPERIENCE

VEX Robotics Camp Instructor   May 2022 – August 2023
Harper College   *Palatine, IL*
- Led and mentored a group of 20+ middle school students, fostering a collaborative and innovative learning environment
- Taught critical software and hardware skills, optimizing students' code for 30% improved efficiency
- Delivered hands-on instruction, resulting in measurable growth in technical competencies and project outcomes

Computer Lab Aide   August 2021 – January 2022
Harper College   *Palatine, IL*
- Provided technical support to students and faculty for computer lab equipment, software, and network issues
- Assisted users with troubleshooting operating systems, common applications, and hardware peripherals, ensuring minimal downtime
- Ensured compliance with lab policies, providing guidance on the proper use of resources

Restaurant Host   January 2021 – July 2021
Olive Garden   *Arlington Heights*
- Collaborated with team members to coordinate table turnover and ensure timely updates to the hosting system, demonstrating strong communication and teamwork skills
- Trained new hosts on the use of digital systems, reinforcing technical proficiency and the ability to convey complex processes clearly
- Adapted to dynamic challenges in a fast-paced environment, honing problem-solving skills and attention to detail under pressure

PROJECTS

Dementia Assistance App | *Java*   December 2024
- Developed a dementia assistance app in a team environment using Android Studio and Java, aimed at improving the quality of life for patients and streamlining caregiver and doctor interactions
- Integrated a Patient Book feature for doctors to monitor patient progress and access medical histories efficiently
- Collaborated with team members using version control tools like Git, ensuring seamless integration of code and project updates

File Compressor | *C++*   May 2024
- Developed a file compression tool in C++ utilizing Huffman's algorithm to optimize storage efficiency
- Gained a deep understanding of data compression techniques and algorithmic optimization

Rolodex Management System | *Java*   November 2023
- Designed and implemented a Rolodex management system in Java to efficiently store and retrieve contact information
- Developed features for adding, searching, sorting, and deleting contacts with optimized data structures
- Conducted thorough testing and debugging to ensure smooth functionality and user-friendly interface

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, XML
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Android Studio
Libraries: pandas, NumPy, Matplotlib