Furkan Akin

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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*

RELEVANT COURSEWORK

LEAD425 (Leading Teams) - **CS441** (Applied Machine Learning) - **CS357** (Numerical Methods) - **CS341** (System Programming) - **CS222** (Software Design Lab) - **CS465** (User Interface Design) - **CS361** (Probability and Statistics for CS) - **CS233** (Computer Architecture) - **CS225** (Data Structures and Algorithms) - **CS211** (Ethics for CS) - **CS173** (Discrete Structures) - **MATH284** (Differential Equations) - **MATH257** (Linear Algebra)

EXPERIENCE

VEX Robotics Camp Instructor — May 2022 – August 2022
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, IL*
- 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
- Applied debugging and testing techniques to ensure the accuracy and efficiency of the compressor across various file types

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