Furkan Akin

224-766-6121 | furkana2@illinois.edu | linkedin.com/in/furkan-akin-b104562b9/

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

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

Google Cybersecurity Professional Certificate — May 2024 – August 2024
Google Career Certificates — *Online*
- Gained a comprehensive understanding of cybersecurity practices and their impact on organizational security
- Identified common risks, threats, and vulnerabilities, and applied techniques to mitigate them effectively.
- Acquired hands-on experience with Python, Linux, and SQL for cybersecurity applications

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

PROJECTS

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
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib