

Patrick Moran

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Education

West Chester University of Pennsylvania
Bachelor of Science in Computer Science

Dec 2022
GPA: 3.85/4.00

Honors: Summa cum laude

Notable Coursework: Software Engineering, Software Security, Computer Security, Object-Oriented Programming, Data Structures and Algorithms, Data Communications and Networking, Database Management Systems, User Interfaces, Digital Image Processing, Web Design and Development.

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, SQL, Haskell, C, Assembly, Swift

Frameworks / Libraries: React JS, OpenCV, PyAutoGUI, NumPy, Matplotlib

Operating Systems: Windows, Linux, macOS

Developer Tools: Git, GitHub, Jira, Slack, Notion, Figma, ChatGPT, MS SQL Server, Wireshark, PuTTY

Development Environments: IntelliJ, Eclipse, Visual Studio Code, Spyder, PyCharm

Interests: Software Development, Cybersecurity, Human-Computer Interaction, Assistive Technologies

Projects

Portfolio Website (paktric.com)

- Created a web portfolio to showcase my software projects and interests.
- Designed with Figma, built with HTML and CSS. Managed a Linux server for web hosting.

Radio Stream Recorder

- Wrote a program to stream audio from a radio station's website and save the MP3 to the cloud.
- Instances of the program are scheduled to run using a batch file with Windows Task Scheduler.

Comic Viewer App

- Designed and built an iOS application that allows the user to browse comics.
- Comic data is obtained from an API and the returned JSON data is then parsed and displayed.

Communication Board

- Created AAC software to help people with communication disorders speak using TTS.
- Built with HTML, CSS, and JavaScript. Currently building the next version using React JS.

Relevant Experience

Production Quality Controller
Acero Precision

Mar 2021 – Mar 2022
West Chester, PA

- Worked with management to develop specific and measurable goals for a machining department that manufactures medical, analytical, and industrial products.
- Performed internal audits of the ISO 9001 and 13485 Quality Management System to ensure compliance and identify opportunities for improvement.
- Created inspection processes, standard operating procedures, and work instructions in accordance with quality regulations.
- Received recognition for fostering positive relationships with company stakeholders through effective communication with clients and vendors.