

Patrick Lawrence

West Chester, PA

[\(610\)-675-8651](tel:(610)675-8651)

patrickjameslawrence@icloud.com

Education

West Chester University of Pennsylvania, West Chester, PA

Bachelor of Science in Computer Science | May 2022

- 3.38 Cumulative GPA

Related Experience

IT Helpdesk Consultant | December 2020 - Present

West Chester University of Pennsylvania | West Chester, PA

- Identify user issues and dispatch them to appropriate teams when needed
- Educate fellow consultants on internal IS&T functions and solutions to issues users face
- Maintain the IS&T knowledge base; adding articles to pass down my expertise when needed
- Maintain cordial communications and de-escalate situations with bad-tempered users

Software Engineer Intern | June 2021 - July 2021

Universal Health Services (UHS) | King of Prussia, PA

- Built new FTP connections to transfer patient records, test results, and other data between UHS network hospitals
- Utilized SQL and C# to create applications in .NET
- Maintained adherence to all HIPPA privacy standards and protected patient data
- Shadowed UHS software engineers in their meetings and projects
- Reviewed standard UHS operating procedures, all internal IS&T teams and their functions, and the software development lifecycle
- Learned office etiquette and best practices from other employees in the office

Skills Summary

- *Programming Languages:* Java, C++, JavaScript, C#, SQL
- *Development Tools:* Git, Visual Studio, and Kanban boards
- Heavy interest in advanced mathematics

Projects

Web-based Chess | January 2022 - Present

Online chess client | Cloudlab, Docker, React.js, MySQL, Jenkins, and Kubernetes | [Design document](#)

- This is a group project for CSC 468: Intro to Cloud Computing with 4 - 5 members
- Will hook in to the Stockfish chess engine so players can play against an AI player
- Games will be stored in MySQL databases so players can look at their account game history
- App will be deployed using Cloudlab
- Due to the state of the project currently I am unable to provide code samples for this project

Synth | September 2020 - March 2021

Multi-function Discord bot | Node.js and MySQL | [Source](#)

- Created a robust command and event handler
- Designed a local MySQL database to store various configuration information from servers and users