

Stephen Kain

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Education

West Chester University of Pennsylvania – B.S. Computer Science, Expected 2025 | GPA: 3.82

Dean's List: Spring 2024, Fall 2024, Spring 2025

Relevant Coursework: Software Engineering, Mobile App Development, Database Management, Discrete Mathematics

Delaware County Community College – A.S. Computer Science, 2023 | GPA: 3.29

Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Operating Systems

Technical Skills

- Programming & Frameworks: Java, Kotlin, React, C, C++, Swift, Haskell
- Mobile Development & IDEs: Android Studio (Jetpack Compose), Xcode (iOS), IntelliJ IDEA, Visual Studio Code
- Version Control & Collaboration: Git, GitHub
- Databases & Querying: SQL (Microsoft Access, MySQL)

Academic Projects

Workout Calendar App (Group Project, 2025)

- Developed calendar-based Android app allowing users to log workouts by date.
- Implemented persistent storage, custom dialogs, and dynamic UI with Jetpack Compose.
- Implemented MVVM architecture using ViewModel and StateFlow to manage UI state and reactive updates.
- Integrated persistent data storage to save user workouts per date, enabling progress tracking over time.
- Collaborated using GitHub, managing code reviews, branches, and issue tracking for group coordination.

Blackjack Game Simulator (Java, 2024)

- Designed and implemented a console-based blackjack simulator as part of Computer Science III.
- Applied object-oriented programming principles (classes for cards, decks, players, dealer).
- Implemented game logic for shuffling, dealing, player decisions (hit/stand/double down), and dealer AI rules.
- Utilized probability/statistical analysis to simulate thousands of hands and evaluate strategies.

Spam Email Classifier (Java, 2024)

- Developed a Java-based application to classify emails as spam or not spam using keyword analysis and rule-based algorithms.
- Implemented text parsing, string matching, and probability scoring to evaluate email content.

- Analyzed accuracy and improved algorithm performance through iterative testing and refinement.

Portfolio Applications (5 Projects) (Coursework, 2025)

- Completed and customized apps such as photo fetchers, interactive forms, and REST API integrations.
- Applied design patterns (Singleton, Command, Observer, Strategy) in project implementations.

Professional Experience

Hospitality & Customer Service Roles (2008 – Present)

Server/Bartender/Manager at White Dog Café, True Food Kitchen, North Italia, and others

- 10+ years of leadership and customer service experience in high-pressure environments.
- Managed staff scheduling, trained new hires, resolved conflicts, and ensured top-quality guest experiences.
- Recognized for dependability, adaptability, and strong teamwork skills.

Urban Engineers – Construction Inspector (Philadelphia, PA | 2010-11)

- Reviewed plans and performed job site observations, documenting construction progress.
- Prepared technical reports and archived knowledge base photographs.
- Improved inspection documentation efficiency, supporting accurate project tracking for municipal contracts.

ProTecs Inc. – Project Engineer (Conshohocken, PA | 2008-09)

- Assisted in project planning, cost estimation, and contractor coordination for multiple commercial projects.
- Managed project submittals and supported bid reviews to ensure cost efficiency across projects.
- Supported cross-functional teams in achieving project milestones and maintaining regulatory compliance.