

# Dan Dunleavy

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## Education

### Arcadia University

Bachelor of Science in Computer Science

Glenside, PA

May 2026

## Experience

### Time After Time

#### Store Manager

Oct 2021 – Present

- Directed daily operations of a watch retail store, ensuring smooth workflow and customer satisfaction.
- Supervised a team of 5 employees, providing training and guidance to ensure quality service.
- Performed in-house repairs such as battery replacements, link adjustments, and band fittings.
- Managed communication with external repair vendors to coordinate complex repairs and ensure timely service.
- Developed and implemented successful sales strategies, resulting in a 25% increase in monthly revenue over 24 months.

## Skills

**Programming Languages:** Java, Python, JavaScript, html, C#.

**Software & Tools:** Windows, Microsoft Suite, AWS, GitHub, VS Code, Eclipse, IntelliJ, Rider, PyCharm, SQL.

**Hardware & Maintenance:** PC building, hardware troubleshooting, network configuration.

**Interpersonal Skills:** Public speaking, team collaboration, flexible, analytical, feedback driven.

## Projects

### Data Analysis

#### Skyrim GDP Analysis

- Designed and populated a MySQL database containing all Skyrim items and their crafting recipes.
- Developed Python applications for both automated inventory parsing and manual item entry into the database.
- Analyzed Skyrim's in-game economy to estimate GDP and compared it to real-world models.

### Games

#### Blackjack

- Developed an online game with real-time gameplay, leveraging AWS for scalable hosting and cloud services.
- Implemented game logic using AWS Lambda, S3, and DynamoDB for seamless performance.
- Utilized GitHub for version control and collaborating through regular pushes, pulls, and branch management

#### Basketball Career Simulator

- Developed a dynamic career simulation system with player statistics, Career Choices, skill growth and more.
- Implemented contract negotiations, intuitive stat upgrades, career decision-making, and a streamlined user interface for clear and engaging gameplay.

### Board Game

#### KhanQuest

- Designed a strategy game with army control, territorial battles, faction abilities and resource management.
- Conducted extensive playtesting to refine balance and improve gameplay.