

Nathan Eagle

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EDUCATION

Governors State University

University Park, IL

B.S in Computer Science

- Graduated with a 3.9 GPA.

PROJECTS

Cooking Website - Website where users could browse for and create their own recipes

[Live Site Link](#)

- Created web forms for entering and updating recipes, signing up, and logging in using HTML, CSS, and Bootstrap 5.
- Implemented functionality for creating, removing, updating, and deleting recipes from the MySQL database using HTML and JavaScript web forms, SQL queries and PHP.
- Designed and implemented a relational database for users and recipes.
- Deployed the application onto a cloud-based LAMP server.

Technologies: LAMP (Linux, Apache, MySQL, PHP), HTML, CSS, JavaScript, Bootstrap.

Adventure Bunny Video Game - 2D tile-based adventure game

[Playable Download Link](#)

- Created all programming scripts for the game, including the game manager script, character controller and player movement script, AI scripts for several monsters, and terrain destruction and collision handling scripts for all entities using C#.
- Assembled game levels within the Unity game engine, including assembling levels and scenes, creating prefabs for monster, players, and other entities, and managing scene transitions.
- Worked collaboratively with a partner to design the game, plan the game, and create a game design document.

Technologies: C#, .NET, Unity Game Engine.

WORK EXPERIENCE

Data Assistant - Lincoln Elementary School

September 2021 - Current

Worked to meet the data needs for the school, including maintaining SIS (Student Information System) databases, creating reports, and retrieving data for district and building staff.

- Maintained correctness of student data in PowerSchool SIS and the State Board of Education SIS for over 800 students, including enrollment data, demographics data, early childhood data, immigrant data, and attendance data.
- Designed queries to retrieve data from student information system databases using PowerSchool SIS and SQL.
- Used Microsoft Excel to filter data, transform data, and highlight issues with existing data.
- Generated reports to send to the State Board of Education for reporting student data.
 - o Maintained integrity of data to the State Board of Education's standard.
 - o Met the State Board of Education's deadlines for reports, including reports that may impact the funding of the school.

SKILLS & TOOLS

- **Programming** Python and C# / .NET. Some familiarity with C++ and Java.
- **Web Development** HTML, CSS, Javascript, PHP, SQL, Apache.
- **Databases** SQL, MySQL databases, database design, relational databases.
- **Data Processing** Python, JSON, APIs, Microsoft Excel. Some familiarity with Spark / PySpark and Hadoop.
- **Game Development** C#, Unity 3D, Autodesk Maya, Adobe Photoshop.
- **Tools:** Windows, Linux, Git, GitHub, Virtual Machines.