Cherie Millan

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EDUCATION

Adelphi University, Garden City   **August 2024 – Expected May 2026**
Bachelor of Science in Computer Science
Related Coursework:

- Discrete Structures
- C/C++ Programming
- Computer Networks
- Database Management Systems
- Python Programming I
- UX/UI Introduction

TrueCoders: Advanced Technical Training   **July 2024 – August 2024**
Related Coursework:

- Over 300 hours of intensive, project-based training in programming languages and other technical skills, such as C#, .NET Core, SQL, Git, ASP.NET MVC, HTML, CSS, and JavaScript.
- These skills were developed by building multiple C# and SQL projects
- C# and SQL Projects were tracked using Git and GitHub for source control.
  View Certificate

Farmingdale State College   **August 2022 – May 2024**
Bachelor of Science in Computer Science (Transferred)
Related Coursework:

- Java Programming I
- Java Programming II
- Data Structures and Algorithms I
- Computer Architecture and Organization
- Intro to Programming

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, HTML, CSS, JavaScript, SQL, C, R
Frameworks/Tools: Git, ASP.NET MVC, .NET Core, Linux, Visual Studio, Rider, Entity Framework

TECHNICAL PROJECTS

Mood Bloom: GDI Hackathon- MERN Stack (MongoDB, Express.js, React, Node.js)

- Collaborated in a hackathon team to create **Mood Bloom**, a women's mental health app that won the **"Get On My Phone" Award**.
- Implemented user authentication with sign-in/sign-up pages and personalized welcome pages.
- Created journal entry features for users to log emotions and reflect on their day.
- Designed an interactive emoji-based mood tracker to allow users to express feelings visually.

Interactive Code Education Platform – C# | ASP.NET MVC | API | HTML | CSS | SQL

- Developed a basic educational web application using ASP.NET MVC that contains lessons, quizzes, and tests to understand the core concepts of coding.
- Implemented lesson, quiz, and test management features with interactive feedback.
- Integrated future features will include a progress tracking feature and an in-browser text editor for live coding practices.

EcoByte: Cornell Digital Agriculture Hackathon- Team Project | Blockchain | IoT | Smart Contracts | ML

- Collaborated with a team to create a sustainable, scalable solution with a dual-revenue model and clear farmer benefits.
- Built a smart irrigation platform using blockchain and IoT to reduce water waste.
- Worked with a team to design real-time tracking and control for farmers.

PROFESSIONAL EXPERIENCE

Adelphi University   **August 2024 - Present**
Research Student

- Integrating artificial intelligence-guided protein design with biotechnology methods for novel protein expression and purification.
- Utilizing advanced tools including ProteinMPNN for protein design, HuggingFace for machine learning model development, and AlphaFold for protein structure prediction.
- Applying data-driven approaches to optimize AI models, aiming to improve protein design accuracy and enhance biophysical property predictions.
- Collaborated closely with fellow researchers and advisor to share insights during team meetings and troubleshoot experimental challenges.
- Continuously learning and applying new technologies to address complex biological challenges.