Michael Duffy

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Education

Bachelor of Art in Computer Information Systems, Notre Dame of Maryland University, Baltimore, MD, **Graduated May 2025**

- Cumulative GPA 3.2/4.0
- Relative Coursework
  - Fundamentals of Info Systems
  - C++ Object-Oriented Program
  - Database Concepts (SQL)
  - Programming Concepts (Python)
  - Java Programming
  - Systems Analysis
  - Intro to Data Science
  - Computer Studies Seminar
  - Web Page Design
  - Computing & Information Technology
  - Statistics
- College Basketball – Player (2023 – 2025), All Sportsmanship Team

Associate of Arts and Sciences in Psychology, Anne Arundel Community College, Arnold, MD, **Graduated May 2023**

- Treasurer of Student Athlete Advisory Committee, Sept 2021 – May 2023
- College Basketball – Player (2021 – 2023), Team Captain (2022 – 2023)

Projects

VictoryVerse – Full Stack Web Application
Team Project | Node.js, MySQL, Express.js, HTML/CSS, JavaScript, Puppeteer, Axios

- Developed a gaming platform where users can create accounts, log in, and personalize their profiles with uploaded images.

- Implemented backend authentication and authorization to restrict access to specific features.

- Scraped real-time leaderboard and gaming news data from external websites using Puppeteer and Axios.

- Designed dynamic front-end features including a responsive UI, interactive user pages, and game detail pages.

- Collaborated on database design and system architecture, integrating MySQL for user and game data.

Relevant Work Experience

Notre Dame of Maryland University IT Department – IT student assistant, September 2024 – May 2025

- Installed and configured hardware and software for campus-wide computer systems.
- Performed routine maintenance and updates on university IT infrastructure.
- Provided technical support to students and faculty, resolving issues promptly.
- Assisted in deploying new systems and ensuring network connectivity.

MadeHoops – Spectator Check-In / Front Desk, February & April 2024, Baltimore, MD

- Greeted spectators and scanned their bar codes to check them in.
- Assisted spectators in logging in to their accounts and making payments, increased efficiency of check in and data collection.
- Used problem solving skills in order to help spectators use the newly implemented digital check in method.
- Signed in players using an excel sheet to collect data.

Computer Skills

- Programming Languages: Python, C++, Java, JavaScript, SQL, PHP
  - Implemented many programs as assignments and projects: final project of Python course was Hangman with graphical interface
- Operating Systems: Microsoft Windows
- Webpage design: HTML & CSS
- Database: MySQL
  - Developed a database application including full system development cycle (analysis, design, and implementation) using official NBA stats.
  - NBA stats were imported from csv files that had to be edited using excel. Manipulated the data to include only what was needed for the database. Wrote formulas to compile all the rows into one as an INSERT INTO statement for the MYSQL database.
- Microsoft office applications: Word, Excel, PowerPoint

Other Work Experience

- Athletic Performance Inc – Summer Camp Coach, Trainer, May 2023 – Present
- Landscaping/Hardscaping – Summer 2024
- Athletic Performance Inc – Strength and Conditioning Intern, May 2023 – August 2023
- DoorDash – Driver, May 2023 – August 2023