Emily Lynch

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PROFESSIONAL SUMMARY

Motivated recent college graduate with a strong foundation in software development, data science, and mathematics. Demonstrates the ability to quickly adapt to new technologies and environments. Proven collaborator with excellent communication skills, effectively bridging the gap between technical and non-technical stakeholders. Committed to continuous learning and contributing to team success.

EDUCATION

Manchester University   North Manchester, Indiana
Bachelor of Science in Software Engineering, **Cum Laude**
Minors: Data Science and Mathematics
- **GPA**: 3.8/4.0
- **Membership**: Kappa Mu Epsilon Indiana Alpha chapter (mathematics honor society)
- **Honors & Scholarships**: Dean's List (December 2019-May 2023), Presidential Scholarship (2019-2023), Class of 1948 Scholarship (June 2020), Jeffery Grandstaff Memorial Scholarship (June 2020), Jo Young Switzer Scholarship (June 2021)
- **Relevant Coursework**: Foundations of Computer Science I and II, Software Quality, Cloud Computing, Algorithms and Data Structures, Software Engineering Methodologies, Software Requirements Engineering, Software Architecture and Design, Database Programming and Design, Technical Writing

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, R, PHP, Ruby/Ruby on Rails
Frameworks & Tools: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI, NetBeans, Juptyer, IntelliJ, Eclipse, VS Code, Visual Studio, RStudio
Libraries: pandas, NumPy, Matplotlib, TensorFlow, Keras
Other Technical Skills: Microsoft Office Suite, Google Suite, Figma, Visual Paradigm, Tableau, ArcGIS, Photoshop, Illustrator
Operating Systems: Windows, MacOS, Linux

PROFESSIONAL SKILLS

Excellent written and verbal communication
Strong team player and independent contributor
Detail-oriented and highly organized
Effective at translating technical concepts for non-technical audiences
Growth mindset with strong problem-solving abilities

PROJECTS

SENIOR PROJECT- NEURAL NETWORK REVIEW CLASSIFIER | *Python, TensorFlow, Keras*
- Designed and trained a neural network model to distinguish between human- and computer-generated reviews with 93.47% accuracy.
- Focused on data preprocessing, model tuning, and validation using real-world datasets.

SOFTWARE ARCHITECTURE AND DESIGN FINAL PROJECT-JAVA TO-DO LIST | *Java*
- Built a desktop to-do list application from scratch, improving task management efficiency by 20%.
- Applied software architecture patterns and principles learned in advanced coursework.

MANCHESTER UNIVERSITY CITIZEN SCIENCE WEBSITE | *HTML, CSS, PHP, SQL*
- Led full-stack development of a web app that allowed users to document local animal and plant species, increasing documentation accuracy by 30%.
- Developed user authentication system and image upload functionality in an Agile Scrum team.

WORK EXPERIENCE

PET SITTER | Self-Employed
- Followed detailed care instructions to ensure pets' health and wellbeing.
- Provided emotional comfort and routine, reducing pet anxiety during owner absences.