Lee Taylor

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SUMMARY

As a software engineering enthusiast fresh out of Newcastle University, I revel in turning code into solutions that sing. Python, Java, and C# are the tools of my trade, and I've honed my craft through both collaborative and solo acts—be it spirited Hackathons or head-down, hands-on team projects. With a voracious appetite for growth and a First-Class Honours Degree tucked under my arm, I'm on the lookout for a stage where I can not only share my current symphony of skills but also compose new ones.

EDUCATION

NEWCASTLE UNIVERSITY   **Newcastle upon Tyne, UK**
BSc Honours Computer Science with Industrial Placement   *2019 - 2023*
First Class Honours Degree in Computer Science

RELEVANT MODULES
Software Engineering Team Project, Algorithm Design and Analysis, Programming Portfolio I, Programming Portfolio II, Information Storage and Retrieval, Fundamentals of Computing.

SKILLS

Languages: Python (fluent), Java, C#, JavaScript, MySQL.
Software Development: OOP, Data Structures, Automation, Pipeline Design, Web Scraping.
Soft Skills: Teamwork, Communication, Collaboration.

CAREER

AiCore   (**Remote) London, UK**
Course Participant – Specialist Ai & Data Educator   *08/2023 - 12/2023*
- Gained comprehensive expertise in cloud technologies, DevOps practices, and software development through hands-on projects and rigorous training in Python, Git, Docker, Kubernetes, Terraform, Azure DevOps, and CI/CD pipelines.

Newcastle University   (**Remote) Newcastle upon Tyne, UK**
Part Time Research Assistant   *06/2023 - 07/2023*
- Contributed to research by implementing a VQ-VAE encoder combined with a CNN-classifier, to compare the efficiency and accuracy of video classification against image classification.

The Training Marketplace   **Durham, UK**
Internship Full Stack Developer   *09/2022 - 02/2023*
- Contributed to front-end tasks such as UI design layout, color scheme and design choices.
- Implemented and managed web hosting configuration utilizing a DNS web hosting service in conjunction with AWS infrastructure.

Newcastle University   **Newcastle upon Tyne, UK**
Assistant Business Analyst   *06/2021 - 09/2022*
- Built a proof of concept to read tasks from an .mpp file executing Java from Python using jpype.
- Developed software to generate, store and redeem QR code functionality in a webpage using Python, Flask, SQLalchemy, qrcode, numpy, opencv, and pyzbar.
- Developed a Python automation script for textual analysis, saving the team approximately 80 hours of manual work, thereby significantly improving project efficiency.

ADDITIONAL ACTIVITIES

PUBLICATION – ACL - UoR-NCL at SemEval-2023 Task 1
- Contributed to our team's success by providing a critical contribution, by implementing NIC captioning for images using Python, advancing the field of semantic evaluation.

HACKATHON – Green Coding Hackathon FY23
- Won 1st place in the Green Coding Hackathon FY23 by optimizing a Python-based solitaire game to minimize CO_2 emissions, showcasing sustainable programming practices and efficiency.

PERSONAL PROJECT – Revision Software
- Developed educational text-based software for the 'Algorithm Design and Analysis' module (CSC2032) featuring randomized questions and answers using Python.

PERSONAL

HOBBIES
- Casual Chess player, I am rated 1600 on lichess.com, 1900 was my highest rating!
- Micro-stakes poker player, I play Texas Hold'em No Limit cash games $0.01/0.02 to $0.10/$0.25.
- Ex-competitive Counter Strike: Global Offensive player, reached 1% rank in match making.