Pierce Lowe

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Personal Profile: 3rd Year Computers and Communications Engineering student at Technological University of Dublin, City Centre Campus. Proficient and have strong interests in Python and C++. Good communication skills from previous work at An Post Customer service and as a Gymnastics Coach

EDUCATION
2018 – Present   **BE in Electrical/Control/Communications/Computer Engineering**
2012 – 2018   **Second Level Education at Templeogue College**

Award expected: Bachelors of Engineering in Computers and Communications

2019/2020 Results: Communication Networks 1:   84%
                    Computer Architecture 1:   94%
                    Intro to Electrical Energy Systems: 86%
                    Programming 1:   90%
                    Signals and Systems: 77%
                    Software Development: 88%

Relevant Subjects:
- 2020/2021: Computer Architecture 2, Digital Communications 1, Communication Networks 2, Mathematics 4
- 2019/2020: Programming 1, Software Development, Computer Architecture 1, Communication Networks 1, Mathematics 2, Mathematics 3
- 2018/2019: Engineering Computing, Mathematics 1

Projects / Case Studies:
- Computer Architecture 2 Module Project: Implement an insertion sort algorithm in x86 assembly to sort a string input by the user to alphabetical order and return the sorted string to a C++ program.
- Software Development Module Project: Gain a better understanding of OOP concepts and pointers.
- Darwin 1v1 League: This is an on-going project, started in November of 2020 consisting of website with a frontend written in React JS, a Node JS backend, MySQL database and a Python Discord bot.
- Implementation of Dijkstra's Algorithm: An implementation of Dijkstra's, shortest path algorithm in C++

Technical/Laboratory skills:
- Proficient in C/C++ and Python
- Confident in the Linux command line, and in Matlab/Octave
- Experience with JavaScript (Node JS and React JS) and MySQL
- Experience with OAuth2 for authorisation and website login

2012 to 2018 Leaving Certificate: Templeogue College, Templeville Road, Templeogue, Dublin 6W. Subjects (All Higher Level): English, Irish, Spanish, Maths, Physics, Business, Art

EMPLOYMENT RECORD / EXPERIENCE:

September, 2016 – August, 2020   Phoenix Gymnastic, 34B Lavery Avenue, Park West, Dublin 12
Gymnastics Coach and Judge
- Good Communication Skills: to give clear understandable instructions so children can understand.
- Answering Questions from Parents and dealing with complaints
- Volunteering to Judge at Regional and National Competitions year round
- Managing large groups of people at competitions and displays

June, 2019 – August, 2019   An Post, Customer Services, Ground Floor, GPO, O'Connell Street, D1
Customer Services Clerk
- Dealing with all customer queries for a range of An Post services
- Communicating clearly to customers what the best course of action is for their query
- Quick decision making to determine what should be done to help the customers query

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SKILLS and PERSONAL QUALITIES
- Team work: after training at an international level on a gymnastics team for 10 years, I've learned to work well with others, as well from working in a small team running a large online community of over 800 people
- Interpersonal Skills: Working in Customer Services for 3 months greatly improved my interpersonal skills and ability to work with all kinds of people
- Self-Motivated: I taught myself Python, JavaScript and MySQL and have spent many hours writing automation scripts and websites for both myself and also large online communities
- Communication Skills: Gained from working around people often, while working as a gymnastics coach for 4 years and working in Customer Services for An Post
- **Languages:** English (native, fluent); Spanish (CEFR: A2)
- **Training completed:** Level 1 Regional Gymnastics Judge

INTERESTS AND ACHIEVEMENTS:

Associations:
- LinkedIn: https://www.linkedin.com/in/pierce-lowe
- GitHub: https://github.com/Pieloaf
- Website: https://pieloaf.github.io

Certificates:
- Google Analytics for Beginners (June 2021 – June 2024)
- Google Tag Manager Fundamentals (June 2021 – June 2024)

Other Activities:
- Administration for various online communities of 100 – 800+ members, hosting events, moderating content, developing bots (Python) and websites (Node JS, React JS and MySQL).
- International Competitive Gymnast for 10 years, travelled to Spain, Poland, Iceland, Italy, Belgium, Scotland, England, both for training and competing.
    - 2019 Reykjavík International Games: 2nd Place Rings; 2nd Place Team; 3rd Place Parallel Bars
    - 2017 National Championship: 3rd Place All-Around

REFERENCES:

1. Dr Lejla Rovcanin,
   Lecturer of Electrical and Electronic Engineering,
   Technological University Dublin,

   Email: Lejla.Rovcanin@TUDublin.ie