

Daniel Mackle

Year 2 Computer Science Student, Queen's University Belfast

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Dear Sir or Madam,

Thank you very much for helping me choose Pytilia as a potential employer through talking with you in the events and fairs in Queen's University Belfast!

I first learned of this amazing opportunity through both in-person events and the QUB MyFuture platform. I am now pursuing this position of Placement Software Engineer in Belfast for 2025. Please find attached my CV.

I am an excellent academic, having achieved a perfect GPA of 4.0 in both my first year of University and my A-Levels. I was the leader of a winning team in the QUB Sustainability Hackathon 2024. I am also highly qualified in communication, with a Grade 8 and additional Diploma in Speech and Drama.

I am extremely skilled with both Java and SQL, shown through academics and frequent personal projects, keeping my skills sharp. I have an extremely developed knowledge of AGILE Methodologies in the real workplace through work experiences and group projects developed under AGILE. I have experience in the low-level architecture of computers, having achieved a 90% in a relevant module. I have also poured many hours into Cybersecurity with Generative AI, using existing software to train and limit-test models, trying to discover common vulnerabilities in the world's quickest growing IT sector.

In the making of this application, I have gained a strong appreciation for Pytilia. I have looked into your unique business practices, such as your DMCA approach to developing microservices in a rapid way, while minimising drawbacks. I was excited to hear that Pytilia was one of the winners of the 2021 Digital Security by Design competition through your innovations on CHERI via the DPDK Library. I was amazed by your ingenious use of DSbD to change the fundamental, low-level qualities of hardware for better results.

Thank you very much for taking the time to review my CV.

I hope to meet you again in the next stages of the application process!

Yours faithfully,

Daniel Mackle.