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10-08-2017

To Whom It May Concern,

### **A Reference Letter for Caspar Wylie**

It's been a pleasure to have Caspar Wylie as an intern on the Research team at ROLI for 2.5 weeks this summer. I've been impressed by his passion in coding and learning in general, back to the early stage of his interview process. Since the start of his placement, he has also demonstrated a high standard of commitment with a level of maturity that's significantly above his age.

The project we've designed for him is definitely not trivial, which demands a good blend of understanding of digital music communication protocols, coding with an unfamiliar C++ toolchain and creatively designing a visually-pleasing and meaningful demo. From the start of the project, Caspar has quickly grasped the essences of the challenge and managed to methodically break down the problem into small steps. Steady progresses have been made throughout the short placement, thanks to his fast learning skills and upfront communication style, which has also helped him to quickly find the right info needed from other colleagues to overcome specific technical challenges. The MPE Recorder/Visualiser JUCE APP that he created has turned out to be a very interesting and innovative way to represent the multi-dimensional control data from all ROLI hardware products. With some small tweaks and tidy-up, the APP could be accepted into JUCE library as one of the example projects for future releases and made available to public. As a fun bonus point, this project has also won him the "most popular project" title on one of ROLI's monthly Hack Days, which are participated by most of the ROLI team members.

As a team, we are very glad to have the opportunity to work with him and see a huge potential in his future study and career. I can highly recommend him as a young talented programmer for relevant opportunities you may offer. Please feel free to contact me for further comments via [ning@roli.com](mailto:ning@roli.com).

Kind Regards,

Ning Xu

**Head of Research**



DEPARTMENT OF  
**COMPUTER  
SCIENCE**

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13 October 2015

**REFERENCE FOR CASPAR WYLIE**

To whom it may concern,

Caspar Wylie has been working with me in the Department of Computer Science since March 2015. My research group is developing a piece of scientific software, and Caspar's main activity has been to lead the development of a website which will make this available to the international scientific community. I am extremely impressed with Caspar's work, and he has become an essential part of our team, coming into the department on a regular basis (when his school work allows) to participate in research group meetings.

Here is a summary of some of the abilities and aptitudes that Caspar has displayed while working with me.

- Impressive working knowledge of advanced internet programming concepts, essentially at a professional level.
- Excellent self-motivation, with the initiative and confidence to get in touch himself with the Computer Science department asking for work experience.
- Able to understand new concepts quickly.
- Hard-working and dedicated, with a clear passion for computer science.
- Inquisitive and open-minded, often asking questions about the broader scientific context of the software he is working on.
- Able to interact in a mature way in a professional work environment.
- Friendly and personable; a pleasure to have around.

All things considered, we consider ourselves lucky to have Caspar working with us. His considerable abilities have significantly helped the progress of our research programme. I recommend him in the strongest possible way.

Sincerely,

Dr Jamie Vicary  
Senior Research Fellow  
[jamie.vicary@cs.ox.ac.uk](mailto:jamie.vicary@cs.ox.ac.uk)

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Caspar Wylie  
[casparwylie@googlemail.com](mailto:casparwylie@googlemail.com)

31st August 2016

Dear Caspar,

### **THE NORTHERN IRELAND PUBLIC SECTOR INNOVATION LAB**

This short note is to record my thanks for the time you gave us in the Innovation Lab last week.

It was really enlightening for us to see someone make real use of open data derived from refuse collection in one of our local council areas! Open Data is something we have heard a lot about but to see it being handled by a programmer in Python, to produce insights into patterns of collection which in turn gives us areas where we might gain advantage by developing an intervention, demonstrates the value of data and the need for programming expertise in the Lab.

It is a pity that the Permanent Secretary was unable to join us while you were here; he is committed to open data and the promotion of data analytics, and would have been interested to see your work.

I also appreciated the way in which you participated in our discussions and generally impressed us with your programming skills

I wish you well in your future studies, and I would be glad to welcome you back again in the future.

Yours sincerely,

**Malcolm Beattie**  
Head of Innovation Branch