**CV**

Tim Forrer

[tim.d.forrer@gmail.com](mailto:tim.d.forrer@gmail.com) | +81 (0) 80 9405 7118

SUMMARY

Doctoral student with a history of high achievement, proven long-term enthusiasm for technology, and a strong team-oriented approach. Excited to pursue opportunities to stay at the forefront of technology innovation and continue to apply problem-solving skills to new and complex challenges.

EDUCATION

**Physics PhD** - University of Tokyo, Japan Oct 2022 - Present

* Researching new approaches to quantum computing inspired by functional programming.
* Responsibilities include devising, researching, and deciding directions to pursue through considered evaluation of the current research landscape.
* Also must ensure that these decisions, as well as the factors that influence them, are clearly communicated to doctoral supervisor.

**Physics Research Student** - University of Tokyo, Japan Oct 2021 - Sept 2022

* Worked with industry on an open source implementation of joint theoretical research.
* Gained greater proficiency with software development as part of a team - particularly regarding best practices with Git, code reviews, and unit testing.
* Repository available at: <https://github.com/CQCL/pytket-dqc>

**Natural Sciences MSci (1st Class Honors)** -Durham University, UKOct 2017 - Jul 2021

AWARDS AND CERTIFICATIONS

**Embassy-Recommended MEXT Scholarship** Oct 2021 - Present

* Awarded by the Ministry of Education, Culture, Sports, Science and Technology for Japan on the recommendation of the Japanese Embassy in the UK.

**Natural Sciences Award for Outstanding Achievement** Jun 2020, Jun 2021

* Awarded twice consecutively in recognition of strong academic achievement at Durham University.

RELEVANT EXPERIENCE

**Educational Resources Developer (Python)** - UK Sept 2020

* Worked to produce Jupyter notebooks to improve the learning experience of Physics students.
* Partnered with course lecturer to understand their requirements and maintained consistent dialogue to ensure that the final product was to their satisfaction.

**iOS App Developer (Swift)** - UK Jul - Aug 2019

* Employed by the Department of Physics, Durham University to produce an iOS application to assist new Physics students with everyday life.
* Having had no experience with Swift or UI/UX development prior to the project, and being the sole developer, had to learn rapidly in order to produce a minimum viable product in eight weeks.
* Repository available at: <https://github.com/tim-forrer/DurPhys>