



Andrew Potter

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Experience

Udemy courses **Apr 2020 - Present**
Student Shepperton / Barton on Sea
[🔗 https://udemy.com](https://udemy.com)

I have been studying the following courses:

- BDD with Ruby on Rails using RSpec 3 and Capybara
- Deep Learning with PyTorch for Medical Image Analysis
- The Complete Ruby on Rails Developer Course
- The Complete TDD Course: Master Ruby Development with RSpec

Quantum Sand (self-funded project) **Apr 2020 - Present**
Lead developer Barton on Sea
[🔗 https://github.com/quantumsand/quantumsand](https://github.com/quantumsand/quantumsand)

Quantum Sand is an educational art-game-storytelling platform. Written in React, Rust, Ruby-on-Rails, C++, Qml.

UNEP-WCMC **Oct 2017 - Mar 2020**
Ruby on Rails web developer Cambridge
[🔗 https://unep-wcmc.org](https://unep-wcmc.org)

Work on Protected Planet - an interface for The World Database on Protected Areas (WDPA) - the most comprehensive global database on terrestrial and marine protected areas.

Yateley School **Jul 2014 - Aug 2017**
ICT Technician Hampshire

Building a Ruby-on-Rails work experience database. Administering the VLE. Building a map app for the school.

Laverock von Schoultz **Jun 2015 - Oct 2015**
Ruby on Rails developer City of London

Fixing bugs in Ruby-on-Rails Web Apps for clients based in France.

Freelance **Apr 2008 - Oct 2008**
Private Mathematics Tutor Shepperton
Private tutoring of GCSE Mathematics.

IBM **2000**
Work experience Bedfont Lakes

Education

University of London, Royal Holloway **Oct 2003 - Jul 2007**
Physics
2.1
2.1 Physics BSc. Member of the rowing team.

Strodes College **Oct 2001 - Jul 2003**
ABB A-Level
Physics A, Mathematics B, Computing B. Won bridge building project; application of Physics to solve a problem, wrote a C++ app to assist. Award given by Duke of Edinburgh at St James's Palace.

Projects

Quantum Sand **Sep 2006 - Present**
Educational art-game-storytelling app
[🔗 https://github.com/quantumsand/quantumsand](https://github.com/quantumsand/quantumsand)

Quantum Sand is an educational art-game-storytelling app. The software is free software licensed under the AGPLv3. The content is creative commons licensed under the CC BY-SA 4.0.

Volunteering

Queen Elizabeth Foundation **July 2014**
Assistant Shepperton

References

Mark Jackman, Headteacher, Yateley School

To whom it may concern. Reference for Andrew Potter. Andrew has worked with us for four years now, joining us part time initially and working up to a 0.8 contract latterly. Andrew is a conscientious, willing, polite and cooperative member of our IT support team. He is keen to learn new skills as well as practising his well developed programming skills. He has been responsible for IT support in our fully wireless BYOD environment and has shown himself to be responsive, adaptable and effective in resolving a whole range of issues, such as administering the VLE and VLE outreach, fixing students laptops and problem solving computer and projector issues around the site. He has trained teachers in the use of the VLE. He communicates well with a variety of audiences and has shown himself to be persistent and determined in addressing the concerns of our users. Andrew has used his programming skills to good effect and has designed and built a Ruby-on-Rails (version 5) WebGL 3d Map App of the school which is published on GitHub. He also designed and built a Ruby-on-Rails (version 4) Work Experience database system, which helped our work experience manager immensely. I can recommend Andrew to you without reservation.

Kind regards, Mark Jackman
Headteacher, Yateley School

Melanie Reed MA FCIPD

2.5 years of Ruby-on-Rails
[🔗 https://unep-wcmc.org](https://unep-wcmc.org)

Melanie Reed MA FCIPD
Head of People (UNEP)

Interests

Sports; rugby, athletics, cross country (district champion)

Awards

National Schools Biathlon 2002

I came 14th in the National Schools Biathlon

Bridge Building Competition Duke of Edinburgh 2002

Won bridge building project; application of Physics to solve a problem, wrote a C++ app to assist. Award presented by Duke of Edinburgh at St James's Palace.

District swimming champion School district 2001

District cross country champion School district 2000

District Basketball Champions School District 1998

Physical Education Prize Thamesmead School 1998