# Andrew Potter

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## 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**

## Experience

| **Udemy courses** | **Apr 2020 – Present** |
|---|---|
| Student | Shepperton / Barton on Sea |

⊘ 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

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

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

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

Melanie Reed MA FCIPD

Head of People (UNEP)