

Matthew Thompson

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Profile

I'm a graduate EngD student with the Centre for Digital Entertainment at the University of Bath, UK. There's a lot more to me than my interest in computers, though! I've volunteered and worked in many different countries around the world, interacting with many different people and cultures. My dream is to someday do something that combines these two passions.

Education

- **University of York, UK**
MSc degree in Natural Computation, 2012
- **University of Exeter, UK**
Upper Second Class (2:1) BSc degree in Computer Science, 2006

Skills

- **Procedural Generation**
My MSc project was to procedurally generate 3D bridge designs by evolving and 'growing' them. Designs were then evaluated using the Bullet Physics Engine.
- **Mobile Application Development**
I have had over a year of experience with developing applications for iOS (iPhone) and Android platforms.
- **Languages**
C, C++, Objective C
Python, Java, Haskell
English (Native)
Japanese (Advanced)

Publications & Research Interests

- **Effect of Touch-Screen Size on Game Immersion**
(Thompson, M. and Nordin, A.I. and Cairns, P.)
Presented at "HCI 2012 People and Computers XXVI" in Birmingham
- **Novel uses of touch screen devices for creation**

Ways that touch screens can be used to make content creation easier

- **Procedural generation of game content**

Ways to automatically generate content for computer games

Work Experience

- **The Too Hard Basket, Australia: 2010 - 2011**

iOS developer

I worked for this technology company in Australia, programming iOS and Android apps.

- **JET programme: Sano Board of Education, Sano, Japan: 2006 - 2010**

Assistant Language Teacher

I was a teacher in four elementary schools, one junior high school and two senior high schools in Sano, Japan. Responsibilities included making lesson plans and occasionally presenting to an audience at teaching conferences.

References

- **Prof. Susan Stepney, University of York**

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- **Prof. Richard Everson, University of Exeter**

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