Karel Kuzmiak

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Education

2013 - 2017	**BSc (Hons) Computer Science**, *The University of Edinburgh*, First Class. Areas of interest:

- Computer Graphics
- Games Development
- Database Systems

2005 - 2013	**High school diploma / Maturita** , *Gymnasium J.G. Jarkovskeho*, Prague.

- Maturita final marks – Maths -1,Physics - 1,English - 1,Czech - 1

Work Experience

Jun-Aug 2017	**Security Research Intern**, *University of Edinburgh LFCS* .

- Creating a Firewall setup game emulating a small network for teaching people about computer security

Jan-May 2017	**Object-Oriented Programming Tutor**, *University of Edinburgh*.

- Helping students with coursework, answering their questions about Java

Sep 2012 - Jan 2013	**Computer Skills Tutor**, *Gymnasium J.G. Jarkovskeho*, Prague.

- Teaching the elderly how to use computers and the internet

Technical Skills

C# and Unity
- Developing a Firewall setup game that emulates small network
- Developing an educational game for children with autism (Honours project)
- Developing a memory game for people with dementia (Advanced software engineering project)
- Creating an Asteroids clone game for a Hackathon event

Java
- Tutoring Java as part of an Object-Oriented Programming course
- Theoretical cruise control system

C++
- Building a ray-tracer with Phong Shading using OpenGL
- Creating a sliding-window protocol simulation

Other
- Python - Natural language parser
- JavaScript and PHP - Creating a webpage using server-side processed forms
- SQL - Creating, Updating, querying and managing a database in PostgreSQL
- Haskell - Basic knowledge
- Maya 3D modelling - creating game environments
- Software Testing - Structural, Data flow and Mutation testing
- Using Linux / Windows / Mac OS X operating systems

Other Skills

Languages
- English - Fluent (certified C2)
- Czech - Fluent (native speaker)
- Slovak - Fluent
- Japanese - Basic (certified N4)
- French - Basic

Other
- Driver License

Other Experience

- One year exchange at the Nanyang Technological University in Singapore
- Vice-president and Social Secretary of the University Taekwondo club
- I have attended multiple hackathons, and enjoy the challenge of creating projects in a short space of time with other people