

Karel Kuzmiak

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Education

- 2017- 2018 **MProf Games Development**,
Abertay University.
- 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