

Peter Merkert

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Education

- 09/2015 - 09/2016 **MSc Computer Game Engineering** (Top Student), Newcastle University, UK
- In-depth analysis of C++ comprising memory management and assembler (96/100)
 - Own OpenGL graphics engine (98/100 [📺 https://youtu.be/xMuWpnrVHDU](https://youtu.be/xMuWpnrVHDU))
 - Implementation of own physics game engine (92/100 [📺 https://youtu.be/jivldtTlgyI](https://youtu.be/jivldtTlgyI))
- 10/2011 - 09/2014 **BSc Computer Science** (Ø1.4), Karlsruhe Institut für Technology, GER
- Advanced analysis and linear algebra: very good
 - Computer Engineering: very good
- 07/2002 - 05/2011 **Abitur** (Ø1.5), Max-Planck-Gymnasium Düsseldorf, GER

Work Experience

- since 03/2017 **SaaS Developer**, Lemundo GmbH, Hamburg, GER
- Development of PayPerClick Advertisement Management Tool [ProAdly](#)
 - Cutting edge stack with Node, React, Meteor and Mongo
 - Automated suggestions for ad bidding strategies, ad performance comparison and more
- 03/2016 – 03/2017 **Junior Render Tech Programmer**, Traveller's Tales, Wilmslow, UK
- Handle all aspects of a multi-threaded cross-platform rendering pipeline (PC, Xbox, PS, ..)
 - Enhancement of PostFXs (Fog, Rain, Screen Space Reflections, ...)
 - Contributed to [LEGO STAR WARS: Force Awakens](#) 🎮, [LEGO Worlds](#) 🎮, [LEGO Dimensions](#) 🎮
- 10/2014 - 09/2015 **ERP Developer**, CCS China, 中山, 广东, China
- Customizations of Infor ERP software SyteLine with VB.NET and MS SQL Server
 - Project leader to customize and introduce forecasting and customer contracts in Syteline
 - Creation of Excel reports including automatically data plotting
- 07/2014 - 09/2014 **Thesis student Software Performance Engineering**, SAP, Karlsruhe, GER
- Selective injection of performance problems into a complex Java e-commerce framework
 - Preparation of a controlled experiment environment
 - Copious statistical analysis of more than 40 hour experiment data
- 11/2013 - 06/2014 **Working student Software Performance Engineering**, SAP, Karlsruhe, GER
- Enhancing a software performance tool with a RESTful Java Servlets
 - Persistence in Apache Derby database with Java Persistence API
 - Regression tests with Jersey test framework
- 06/2012 - 09/2013 **Student assistant in the management**, Karlsruhe Institute of Technology, Faculty of Informatics, Karlsruhe, GER
- Improving the visual style of the faculty's web page with JavaScript
 - Preparation and presentation of student information in a compromised FAQ
 - Providing VBA scripts to simplify bureaucratic processes

Languages

German **mother tongue**
English **professional working proficiency**
Chinese **elementary proficiency**

IT knowledge

Languages JavaScript, C++, Java, SQL
Tools GIT, WebStorm, Unreal, Unity, Photoshop, Office
Stack React, Node, Mongo, Meteor

Awards

2016 Best Performing Student in MSc Game Engineering
2016 Philip Merlin Prize for an outstanding Master dissertation
2014 - 2015 Germany National Scholarship Program Pilz GmbH & Co. KG
2013 - 2014 Germany National Scholarship Program SAP AG
since 2013 SAP FastTrack - Top 10% highest-performing students in DACH region
2013 9th Field Robot Event 2013, Prague, Czech Republic
since 2011 Scholarship, e-fellows.net
2011 2nd, 1st round, national competition in information technology 2010/2011

Volunteering

10/2015 - 09/2016 Student representative, Newcastle University
02/2012 - 04/2014 Team leader team computer science, robotics campus group
04/2013 - 09/2013 Interior department in the Students' Union at the Karlsruhe Institute of Technology

Interests

Blockchain Especially Cryptocurrencies and trading with them
Games Computer games of every kind
Culture Visiting theater and opera