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LUKAS APPELHANS

education

Bachelor of Science in Computer Science, TU Darmstadt, October 2012 – May 2016.

Selected for *Deutschlandstipendium* scholarship as top 1% student.

Thesis: *Adaptive voxel-based classifier for semi-automatic segmentation of tumors in the head and neck area based on T2-weighted MRI image data*.

Exchange semester, Universidad Politècnica de Catalunya, September 2014 – June 2015.

I studied in Barcelona for two semesters as part of my bachelor's degree.

experience

Software Engineering Intern, Google, Summer 2015 & 2016.

I worked on optimizing ad auctions and making vCPM ads available to more inventory. I learned a lot about distributed systems, optimizing client-side code and machine learning.

Technologies: *C++, JavaScript, Protocol Buffers, Borg*

Student Assistant, Fraunhofer IGD, January 2014 – August 2014 & December 2015 – June 2016.

The Fraunhofer IGD is a leading research institute in computer vision. I worked on a research project called *Oramod* that was funded by the EU and incorporated the results of my thesis.

Technologies: *C++, Qt, VTK, ITK, MITK*

Freelancer, El Español, 2015.

This online newspaper hired a friend and me to develop three newsapps (special web applications that aim to interactively present journalistic content). One of them had over 100,000 visits in the first 24 hours. This taught me a lot about JavaScript, visualizations and geographical maps.

Since we wrote a lot of code to render geographical maps on an HTML canvas, we decided to open source it in a JavaScript library called 'spam'.

Technologies: *JavaScript, d3.js, (S)CSS, HTML*

Co-Founder & Developer, The Chakra Project, 2007 – 2015.

I co-founded this Linux distribution in high school. It was downloaded over a million times and taught me a lot about leadership, release schedules and operating systems.

Technologies: *C++, Qt, Bash, Python, SQL*

Developer & Maintainer, KGet – KDE project, 2007 – 2014.

I started working on KGet, a download manager, as my first step into open source software when I was 15. Since all code was peer reviewed, I learned a lot about C++, quality standards and project management.

Technologies: *C++, Qt, Bittorrent*

Student & Mentor, Google Summer of Code, 2012 – 2013.

During high school I mentored a Google Summer of Code project for KGet. One year later I was accepted as a student and worked on a package manager for Linux.

Technologies: *C++, Qt, QML*

technologies

C++, 9 years of experience

I have worked with C++ for a variety of projects, including desktop applications, distributed systems and computer vision research.

Web technologies, 2 years of experience

More recently I got interested in writing web applications. Most of my programming focus has been on JavaScript and d3.js, but I also wrote significant parts in SCSS and HTML.