CV

Adam Alsegård
adam.alsegard@gmail.com
www.adamalsegard.se
+46 707589177

Education

Master of Science in Media Technology, Linköping University   08.2013 – 06.2018

B.Sc. + M.Sc. in Media Technology and Engineering. Main focus on software development, visualization, computer graphics, AI and image processing.

Academic year abroad, National University of Singapore (NUS)   08.2016 – 05.2017

I spent my 4th academic year in Singapore as an exchange student. I studied graphics, UI dev. , parallel computations and more.

Film production, Sundbyberg's Folk High School, Stockholm   08.2012 – 05.2013
Nature Science, Per Brahe High School, Jönköping   08.2008 – 06.2011

Work experience

Master Thesis, OpenSpace - Visualization Center C, Norrköping   01.2018 – 06.2018

Master Thesis visualizing 'One Billion Stars' from the ESA Gaia mission and incorporate it into OpenSpace's code base. OpenSpace is a collaboration between NASA, LiU and more and the application is used to visualize the Universe in planetariums and domes all over the globe.

Teaching Assistant, Linköping University, Norrköping   08.2017 – 12.2017

Lab assistant for 2 different C++ programming courses at LiU. First TND012 for 1st year students and then TNG033 for 2nd year students.

Software Developer, Sectra, Linköping.   06.2017 – 08.2017

Summer job at Sectra Medical IT (in a group of 5) to further develop an instant messenger feature for their main product with C# and .NET framework. Main tasks were to store chat history, enable group chats, add emoji support, add an 'Away' status and to improve the UI.
My main focus was on the client and the front end development. I gained experience with exploring a huge code base and delivering professional solutions for real customers.

Researcher, Spotscale, Linköping   06.2016 – 07.2016

Researched Machine Learning as a summer job with one more student. More specifically we explored Deep Convolutional Neural Networks with the framework Caffe and examined if we could apply it on Spotscale's problems. In the end we could classify images into 3 categories, and then also classify superpixels into 9 other categories.

New Student Advisor, Linköping University, Norrköping   07.2015 – 11.2015

Leadership role where I guided one of the new MT-classes during their first few months at the University and made sure they felt welcome and that they understood the University's system.

Salesman, Media Markt, Norrköping   06.2015 – 08.2015

Summer job at the TV/HiFi department.

Mathematics tutor, Linköping University, Norrköping   09.2014 – 04.2015

Mentoring role where I held lessons for 1st year students and tutored them in three different mathematics courses.

Other engagements and achievements

Winner of "Best UI project" for ETiCCS, NUS   04.2017

My team won first prize for our React-Redux application made in an UI dev. course at NUS. After the semester me and one more student continued developing the app after the request of ETiCCS. It is now being used in a real-life cervical cancer screening project in Ethiopia.

Winner of East Sweden Hack 2015   09.2015

I was part of the team that won grand prize "Best Project" (an IoT trip to Berlin) at the 24h hackathon ESH15 with the project Trygga.

Paymaster for the Media Technology Days 2016   07.2015 – 06.2016

MTD is the biggest career fair for students in Norrköping. It is two days filled with a company fair, lectures, workshops and other events. I was in charge of the finances and a co-leader of the group..

Welcoming committee representing LinTek   01.2014 – 01.2015

LinTek is the Student Union for the Institute of Technology at Linköping University. I was responsible for the activities during the welcoming weeks for the new students in August 2014.

Junior Counselor (JC) at a CISV Village in Stockholm   06.2008 – 07.2008

Languages

❖ Swedish: Native (C2)   ❖ English: Professional (C2)   ❖ Spanish: Basic (A1)

Programming skills:

Most comfortable with: C/C++, C#, OpenGL, Web development (Bootstrap, JavaScript, React/Redux, HTML5/CSS3), Java, Matlab, Git.

Worked with for projects: Android development, Python, R, .NET, OpenCV, Meteor.js, Angular.js, THREE.js, Parallel programming (CUDA, MPI, OpenMP, OpenCL, SGCT).