

# Essi Jukkala

## Curriculum vitae

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### Education

- 09/2015– **2<sup>nd</sup> year Master's student**, *Aalto University School of Science and School of Arts*.  
Major: Game Design and Production  
Completed credits: 87/120 ECTS
- 09/2013– **Bachelor of Science**, *Aalto University School of Science*.  
06/2015 Major: Computer Science, Minor: Cognitive Science (University of Helsinki)  
Completed credits: 180/180 ECTS
- 09/2012– **1<sup>st</sup> year engineering student**, *Aalto University School of Electrical Engineering*.  
08/2013 Major: Electrical Engineering

### Bachelor thesis

- 2015 *Survey on HDR tone mapping algorithms*  
Supervisors Ari Silvennoinen, Markus Kettunen

### Experience

- 05/2015– **Course Head Assistant**, *Aalto University School of Electrical Engineering*.  
Designing course content for C and C++ courses and implementing the programming exercises.
- 01/2017– **Course Head Assistant**, *Aalto University School of Science*.  
05/2017 Managing and teaching the Laboratory works in Networking and Security course.
- 09/2015– **Study advisor**, *Aalto University School of Science*.  
05/2016 Assisting in matters of the Bachelor's Programme in Science and Technology and practical guidance in bachelor's studies.
- 01/2015– **Course assistant**, *Aalto University School of Science*.  
05/2016 Producing exercises and assisting students for courses Computer Networks (CSE-C2400) and Laboratory Works in Networking and Security (T-110.5102).
- 06/2014– **Course assistant**, *Aalto University School of Electrical Engineering*.  
05/2015 Assisting students with programming exercises for course C programming (ELEC-A7100).
- 06/2014– **Research assistant**, *Aalto University School of Electrical Engineering*.  
08/2014 Updating the Department of Radio Science and Engineering's internet and intranet pages.

## Computer skills

Programming **C, C++, C#, Git, Bash, Linux, Python, JavaScript, PostgreSQL**  
Programs **Unity3D, Visual Studio, Microsoft Office, Photoshop, Illustrator, InDesign**

## Languages

Finnish **Native proficiency**  
English **Professional working proficiency**  
Swedish **Elementary proficiency**  
Spanish **Elementary proficiency**

## Relevant courses

Course	Credits	Grade
Game Project (C#)	15	4
Basic Course in C programming	5	5
C++ Programming	5	5
Computer Graphics (C++)	5	5
Advanced Computer Graphics (C++)	5	5
Programming Parallel Computers (C++)	5	5
Game Design	5	4
Game Analysis	5	4
Software Project 1 & Software Project 2	10	4
Basics of Programming (Python)	5	5
Tools of Digital Media (HTML, CSS, Javascript)	3	4
Basics of Digital Expression (Photoshop, Illustrator, InDesign)	8	4
Programming 1 (Scala)	5	3
Data Structures and Algorithms	5	3
3D animation (Maya)	10	passed

## Other information

**Vice-chairman of the Board at Guild of Electrical Engineering** 2016  
**Secretary at Guild of Electrical Engineering** 2016  
**Secretary at Sähköklubi ry** 2016  
**Student representative at Aalto CCIS Programme Committee** 2016  
**Master of Ceremonies at Guild of Electrical Engineering** 2015  
**Guild official at Guild for Computer Science** 2014, 2015, 2016 & 2017  
**Guild official at Guild of Electrical Engineering** 2013, 2014 & 2017