

John Lee

Software Developer & New Media Artist

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Home page <https://johnlee012.com>

GitHub <https://github.com/delphi1004>

I am an experienced software developer with mobile dev and media art experience, wanting to focus on my skills more on creative projects. I have over a decade of professional programming experience (C#, C++, C, Objective-C). I have experienced with Unity3D and computer graphics(shader coding, OpenGL, graphics pipeline). I have also made interactive art installations and released a mobile app on iOS. I want to combine all of those skills to help make a great creative project. I am looking for creative projects and want to work with passionate people.

SKILLS

C, C++, C#, Objective-C, Swift, JavaScript, React, React Native

Unity 3D, Processing, openFrameworks, OpenCV

Design Software Architecture, Physical Computing

Design & Implementation of Interactive Media Art installation

WORK EXPERIENCE

2019 - Present

Senior Software Engineer Thermo Fisher Scientific Finland

- Development and enhancement for automation system
- C++, C#

Apr 2010 - Feb 2016

System Architect AppStars South Korea

- iOS developer in Objective-C
- Designed system architecture
- Natural Sound

- <https://apps.apple.com/us/app/id744956026>

Sep 2006 - Mar 2010

Senior Developer Triant Technologies South Korea, Canada

- Integrated FDC(Fault Detection & Classification) system in C#
- Developed a system for customer's needs
- Developed communication module in Tibco library

Dec 2005 - Sep 2006

Senior Developer Nippo Japan

- Developed FDC System in C#
- Designed system architecture for FDC system

Sep 2001 - Feb 2003

Senior Developer Silicon and Systems South Korea

- Designed software architecture for automated AFM(Atomic Force Microscopy)
- Implemented equipment control software in Borland C++ builder

Dec 1999 - Sep 2001

Senior Developer Nanometrics South Korea, The USA

- Developed software for wafer metrology equipment in VC++
- Experienced with Secs/Gem(Semiconductor's equipment interface protocol)

Sep 1996 - Feb 1998

Junior Developer Mirero System South Korea

- Developed SEM(Scanning Electron Microscope) image management system
- Experienced with Borland Delphi (Object-Pascal)

EDUCATION

Aug 2017 - Present

Aalto University Finland

- Master's programme in New Media Design and Production

Mar 2014 - Feb 2016

Dongguk University

South Korea

- Master of Engineering
- Major in Convergence Contents Production
- Hand tracking projection mapping project
- <https://youtu.be/yYf2Ssi9EQA>

Aug 2014 - Dec 2014

Coursera Verified Certificates

Online Course

- Introduction to Computational Arts

Mar 2001 - Aug 2007

Korea Digital University

South Korea

- Bachelor of Engineering
- Major in Computer and Information Science

Feb 1998 - July 1998

Unitec

New Zealand

- Completion of Carrington Unitec Language School

TEACHING

Oct 2019 - Dec 2019

Coding Clinic

Aalto University Finland

Nov 2019 - Dec 2019

Internet Technologies and Techniques Aalto University Finland

PROJECTS & EXHIBITIONS

Aug 2018 - Present

Helsinki Children's Hospital Installation Group Finland

- Digital aquarium project, Helsinki
- https://youtu.be/FRKkWGA_G0s - <https://youtu.be/KFxfdGawWyl>

26 May - 31 May 2019

When Light Echoes Group South Korea

- Interactive installation exhibition, Seoul
- <https://youtu.be/2yZoM1qjo9o> - <http://whenlightechoes.aalto.fi>

23 Feb - 03 Mar 2019

Seeing Sound, Listening to Image Solo Finland

- Sound visualization exhibition, Väre gallery V1 Aalto University
- <https://youtu.be/3yvqrAyYy-4>

25 May - 31 May 2017

Drawing Machine Solo South Korea

- Digital fabrication exhibition, IDAS Hong-Ik University, Seoul
- <https://youtu.be/mVPDrrjWDYY>

PUBLICATIONS

13 Dec 2017

Tangible Visualization Table for Intuitive Data Display Symmetry MDPI

- <https://www.mdpi.com/2073-8994/9/12/316>

26 Jun 2016

Hand Tracking Based Projection Mapping System and Applications J. of KCGS

- http://www.kci.go.kr/kciportal/landing/article.kci?arti_id=ART002142333