

Jieliang (Rodger) Luo

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3309 Phelps Hall, Santa Barbara, California, 93016-6065

Education

PhD in Media Arts and Technology, University of California, Santa Barbara, 09.2014-Present

Committee: Prof. George Legrady (Chair), Prof. Tobias Hollerer, and Prof. Yon Visell

Focus: Autonomous Cameras, Machine Learning, Robotics, Computational Aesthetics, and Information Visualization

MA in Emergent Digital Practice, University of Denver, 09.2010-03.2013

Advisor: Prof. Christopher Coleman

BE in Digital Media Technology, Beijing University of Posts & Telecommunications, 09.2006-06.2010

Professional Experience

Experimental Visualization Lab, UCSB, Santa Barbara, CA, 01.2015-Present

Researcher & Teaching Assistant | Prof. George Legrady

- Developing autonomous multiple mobile-camera platform to study collaborations in photography
- Developing generative tools to explore the intersection of computational aesthetics, computational geometry, and information visualization
- Teaching a course about visualizing information and one course about computational photography and robotic cameras

Koç Lab, UCSB, Santa Barbara, CA, 03.2017-Present

Researcher | Prof. Cetin Koç

- Developing Python-based library to implement reinforcement learning on autonomous vehicles
- Developing methods to visualize deep neural networks to understand the training processes

California Nano Systems Institute, Santa Barbara, CA, 03.2017-Present

Research Assistant | Dr. Lubi Lenaburg & Dr. Arica Lubin

- Interviewing CEOs of technology companies in central costal area to assess startups

InTouch Health, Santa Barbara, CA, 06.2015-09.2015

Software Engineer | Dr. Marco Pinter

- Researched on robot-human interaction, task allocation, control, and path planning
- Developed software prototypes for cross-platform communication

Digital Media Lab, Beijing Univ. of Posts & Telecoms, Beijing, China, 09.2007-06.2010

Student Researcher & Film Director | Prof. Xueming Li

- Directed award-wining experimental animations and films
- Researched on 2.5D reconstruction from computer vision point of view

Entrepreneurial Experience

Creative Development | Developing Creativity, Multiple Cities, China, 09.2012-Present

Founder

- Organizing international media artists to give workshops, talks, and exhibitions in China

Snowy Owl International Media Ltd. Co, Beijing, China, 07.2012-08.2014

Co-Founder

- Produced commercial ads to technology companies, like OPPO Electronics Corp

Publications & Exhibitions

Abstract Reality, 2017 SIGGRAPH Asia Art Gallery, Bangkok, Thailand, November 27-30, 2017

- Interactive Installation

Jieliang Luo, Donghao Ren, and George Legrady: *Anamorphic Fluid: Exploring Spatial Organization and Movements of Images in A Simulated Fluid Environment*

- The 10th International Symposium on Visual Information Communication and Interaction (VINCI 2017), August 14-16, 2017, Bangkok, Thailand.

Sam Green, Jieliang Luo, and Çetin Kaya Koç: *Reinforcement Learning for Cyber-Physical Safety Engineering*

- Cyber-Physical Security Education Workshop, July 17-19, 2017, Paris, France.

Autonomous Robotic Interactive Installation, MAT End of Year Show, Santa Barbara, CA, 2017

- Multi-media installation in collaboration w/ George Legrady

Computational Abstracts in 3D, MAT End of Year Show, Santa Barbara, CA, 2017

- Generative Animation

Anamorphic Fluid II, Currents New Media Festival, Santa Fe, NM, 2017

- Interactive Video Installation in collaboration w/ George Legrady and Donghao Ren

Fragments, MAT End of Year Show, Santa Barbara CA, 2016

- Multi-view Video Installation in collaboration w/ Keehong Youn

Anamorphic Fluid, Dongdaemun Design Plaza Museum, Seoul, Korea, 2016

- Interactive Video Installation in collaboration w/ George Legrady and Donghao Ren

Voro Space, California NanoSystems Institute, Santa Barbara CA, 2016

- Digital Prints

Anamorphic Fluid, Fellows of Contemporary Art, Los Angeles CA, 2016

- Interactive Video Installation in collaboration w/ George Legrady and Donghao Ren

Anamorphic Fluid, Edward Cella Art & Architecture, Los Angeles CA, 2015

- Interactive Video Installation in collaboration w/ George Legrady and Donghao Ren

Art of Science Exhibition, UC Santa Barbara Library, Santa Barbara CA, 2015

- *Voro Space*: Digital Prints

Touch History, Holocaust Memorial Social Action Site, Denver CO, 2012

- Interactive Video Installation

Awards/Grants

International Student Award, UC Santa Barbara, 2017

Graduate Fellowship, UC Santa Barbara, 2017

Robert W. Deutsch Foundation Fellowship, Deutsch Foundation, 2016
Integrative Graduate Education and Research Traineeship Fellowship, UC Santa Barbara , 2016
The University Student Aid Program Fellowship, UC Santa Barbara, 2014
Graduate Assistant Scholarship, University of Denver, 2012
Dean's Scholarship, University of Denver, 2011
Bronze Prize by Video Design, American National Security Awareness Media Contest, 2011
Nomination of the Best Picture, Beijing International Student Film Festival, 2010

Talks/Teachings

Digital Media and Arts: Visual & Data & Structure & 3D | 2 hours talk, Beijing University of Technology, Beijing, China, 2017

- In collaboration with Chris Coleman, Laleh Mehran, and Michael Salter

Geometrical Extension | 3 weeks workshop, Central China Normal University, Wuhan, China, 2017

Optical Digital Culture | 10 weeks course, UCSB, Santa Barbara, CA, 2017

- Co-teaching w/ George Legrady

From Street Photography to Computational Aesthetics | 3 weeks workshop, Central China Normal University, Wuhan, China, 2016

Making Visible the Invisible DataVis at the Seattle Public Library | 1 hour talk, UCLA, Los Angeles CA, 2016

- In collaboration w/ George Legrady

Visualizing Information | 10 weeks course, UCSB, Santa Barbara, CA, 2016

- In collaboration w/ George Legrady

Data Visualization | 3 weeks workshop, Central China Normal University, Wuhan, China, 2015

Optical Digital Culture | 1 hour lecture, UCSB, Santa Barbara CA, 2015

My Observation of American Culture | 1 hour talk, Beijing Language University, Beijing, China, 2013

Professional Contributions

Curated Exhibitions

That's IT - Exhibition of Student Works from The Creative Classes, Central China Normal University, Wuhan China, 2017

Different Every Day - Exhibition of Student Works from The Creative Classes, Central China Normal University, Wuhan China, 2016

Computation & Expression Projects from the Media Arts & Technology Program, Art, Design & Architecture Museum, Santa Barbara CA, 2016

Cultural Fragments, Central China Normal University, Wuhan China, 2015

End of Year Show, Media Arts & Technology, UC Santa Barbara CA, 2015

Exhibition of Student Works of The Creative Classes, Central China Normal University, Wuhan China, 2014

Exhibition of Student Works of The Creative Classes, Central China Normal University, Wuhan China, 2013

Creative Projects

Koc's Website, UC Santa Barbara CA, 2016

- Web designer for Koc Lab's Official Website, <http://koclab.cs.ucsb.edu/>

Reporting on Boko Haram: Data Visualization of Influential Events in Boko Haram from 2009 to 2015, Open Conference of UC Santa Barbara's Global Security Hub, Santa Barbara CA, 2015