

YANTAO XIA

3563 Boelter Hall, UCLA, Los Angeles, CA 90024

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EDUCATION

University of California, Los Angeles

September 2018 - Present

Master of Science in Chemical Engineering

Department of Chemical and Biomolecular Engineering

University of California, Los Angeles

September 2014 - June 2018

Bachelor of Science in Chemical Engineering

Minor in Mathematics

RESEARCH INTEREST

Developing novel chemistry applicable to atomic layer etching by combining computational tools with experiment. Currently working on nitrogen-based metal etching.

PUBLICATION

Samuel Hernandez, Yantao Xia, Vojtech Vlek, Robert Boutelle, Roi Baer, Eran Rabani Daniel Neuhauser
First-principles spectra of Au nanoparticles: from quantum to classical absorption, Molecular Physics,
116:19-20, 2506-2511, DOI: 10.1080/00268976.2018.1471235

WORK EXPERIENCE

Newood Films - Midday Hill Films

August 2014 - Present

Producer, Production Manager

Part-time, summer

- Long-term managing of funds, equipments, and human resources related to all aspects of film production, as well as on-site coordination of crew and cast in independent filmmaking.

Zhejiang Tailin Bioengineering

July 2018 - September 2018

Product research

Intern

- Computational fluid dynamics simulations that help improve design of pharmaceutical industrial equipment. Control analysis to help hospitals and CDCs(center of disease control) to decide on decontamination techniques.

FILM PROJECTS

Producer, *Son*(2015), 23 mins.

2017 Chinese American Film Festival, Official Selection.

Producer, *Vanishing Day*(2018), 91 mins.

24th Busan International Film Festival, Official Selection for Competition, Nominated for "New Currents Award".

18th Marrakech International Film Festival, Official Selection.