

# Darica Louie

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## Experience

### **REMAP (Center for Research in Engineering, Media and Performance), UCLA Undergraduate Researcher**

August 2019 - November 2020

- Worked closely with creative teams to design and program experiences combining emerging technology and live performance

### **Independent Theatre Contractor, Los Angeles, CA**

June 2018 - Present

- Production internship at EWP working on casting, licensing, and theatre maintenance
  - Contracts with East West Players and Artists At Play as Assistant Stage Manager, Lightboard Operator and Electrician
  - Production internship with Shine On Collective to manage previews for Echoes in the Dark
  - Website design for Shine On Collective and Roguelike Tavern's Spirits of Tillinghast puzzle box
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## Projects

**FSSI 2019 (REMAP)** - Installation on cultural exchange through ML generated fusion food descriptions that reacted to exhibit participants' identity profiles

- Developed pop-up interactive exhibit using TensorFlow, TouchDesigner and AWS services

**FSSI 2020 (REMAP)** - Devised live virtual performance streaming Zoom into Unreal

- Developed Unreal plugin to allow for remote control of virtual performance environment via theatrical cueing software
- Ran cues in QLab for demonstration

**A Most Favored Nation (REMAP)** - Immersive performance with Unreal Engine mobile AR app based off Amazon series The Man In The High Castle

- Implemented Unreal plugin to allow for remote control of Augmented Reality environment via Qlab
- Conducted research for runtime material manipulation in Unreal
- Ran cues in QLab for demonstration

**AR Scavenger Hunt** - app-led scavenger hunt through UCLA sculpture garden

- Developed mock-ups in Maya and Unity with Vuforia
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## Education

**University of California, Los Angeles, School of Engineering and Applied Science**  
B.S. in Computer Science, June 2020 3.37 GPA

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## Skills

Programming Languages: C++, C, Java, Python, JavaScript, HTML/CSS, PHP

Development Tools: Node, React, MySQL, Visual Studio, Git, Unreal, Unity, Maya