

# OLIVIA KUNG

oliviakung.com

ok550@nyu.edu

## EDUCATION

New York University (NYU)  
M.P.S. in Interactive Telecommunications (ITP)  
May 2020

Carnegie Mellon University (CMU)  
B.S. in Physics/Astrophysics Track  
with a minor in Physical Computing  
August 2018

## EXPERIENCE

Undergraduate Research  
Physics Department, CMU  
Ran simulations for multiple antennas in order to measure the voltage response to study early star formation.  
Ran simulations for a satellite that was intended to receive signals from the dark side of the moon.  
Designed and assembled RF circuit boards that were used as base boards for antenna disks that receive signals for hydrogen intensity mapping and real-time analysis.  
Assisted in construction a 12-ft annealing oven for treating aluminum in order to construct a rib that was used as a template for an array of satellite dishes that detect fast radio bursts.  
May 2016-May 2018

Equipment Room/Floor Staff  
ITP, NYU

Assisted fellow students by checking out a wide variety of equipment like A/V equipment, projectors, etc.  
Helped administration run errands around the floor when needed.  
September 2019 - May 2020

Lead Projectionist/Projectionist  
AB Films, CMU

Ingested film DCPs and keys prior to movie showings.  
Built playlists and remained on call for emergencies when other projectionists were showing films.  
Inspected projection equipment while ticketing and projecting films for AB films, other clubs and film festivals.  
September 2016 - May 2018

## PROJECTS

hands

Hands cast from epoxy and fluorescent pigment were lit up by a custom made UV LED matrix PCB.  
The PCB was made in EAGLE and the components were assembled onto the board by hand.  
Fall 2019

Me, Myself & My Bacteria

An exploration on how bacteria from my mouth can be used to portray the essence of myself and my identity without having control over the bacteria's final outcome.  
Spring 2019

## SKILLS

cocoaNec Antenna Modeling Software, EAGLE PCB Design, FEKO Electromagnetic Simulation Software, HFSS, Fabrication Skills (i.e. 3D Printing, Laser & Plasma Cutting, Mold Making & Casting, Soldering, Vacuum Forming, & Welding), Physical Computing, Adobe Creative Suite, Maya, Rhinoceros 3D, Unreal Engine, Arduino, p5.js, Python, Vuforia AR SDK