



Home: 143 - 09 22nd Road
Whitestone, NY 11357
Campus: 2358 Burdett Ave.
Colonie Apts A 310
Troy, NY 12180

www.andylao.com

718 . 962 . 5225

contact@andylao.com

SKILLSET

Adobe Creative Suite
Siemens NX
Maya
MODO
Zbrush
Python
HTML & CSS

EDUCATION

Rensselaer Polytechnic Institute - Troy, NY
Class of 2018
B.S in Mechanical Engineering and
Electronic Media, Arts, and Communication
Concentration in Animation
Rensselaer Leadership Award || Dean's List
GPA: 3.46/4

COURSEWORK

Electronic Media, Arts, and Communication:
Introduction to Visual Communication,
Digital Filmmaking, Fundamentals of Animation,
Animation I, Art History, Media Studio: Imaging,
Perspectives on Photography

Mechanical Engineering:
Introduction to Engineering Design,
Engineering Processes, Strength of Materials,
Material Science, Embedded Control,
Engineering Dynamics, Thermodynamics,
Fluid Mechanics, Heat Transfer,
Modeling and Control of Dynamic Systems,
Mechanisms, Electronic Instrumentation

INVOLVEMENT

RPI Streetdance Club - Troy, NY
Choreographer || Dancer || Fall 2013 - 2015
- Choreographed for and taught pieces to the club
- Ran practices and workshops
- Performed in several shows a year

EXPERIENCE

Undergraduate Research: Digital Blackfriars
Troy, NY
Lead Concept Artist || Spring 2016 - Present
- Designing logo for project identity
- Concepting UI/UX for augmented reality mobile app
- Concepting UI/UX for the project webpage
- Concepting the environment and map of Blackfriars theater (1500s)
- Concepting based on archeological information and play scripts

Undergraduate Research: Split Screen
Troy, NY
Lead UI/UX Designer and Web Developer || Fall 2015 - Present
- Designed interface buttons
- Designed project logo
- Created numerous user interface treatments
- Collaborated with 4 other students of various skillsets
- In charge of future web development

Undergraduate Research: Biomimicry and Anatomy
Troy, NY
Simulation Developer || Fall 2015 - Present
- Began research on the topic of biomimicry its applications
- Connected human anatomy and biomimicry to technologies
- Published applications tailored to high school students

Pixar's Character & Story Masterclass 2015
New York, NY
Summer 2015
- Developed skills in storytelling and character design
- Generated storyboards
- Developed character concepts

Humans of RPI
Troy, NY
Founder || Photographer || Spring 2013 - Present
- Photographed individuals and share their stories online
- Encouraged other students to submit and explore photography
- Managed the Facebook page and other submissions

Columbia University: Engineering and Community Service
New York, NY
Project Leader || Summer 2013
- Led a team of students in designing a water filtration system
- Hand sketched concepts
- Modeled in Maya
- Constructed wooden prototype
- Gave formal presentations