

# Jiayin “Joy” Liu

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## EDUCATION

### Duke University

B.A. in Computer Science and Visual Arts

Durham, NC | Expected May 2018

### Loomis Chaffee School

GPA 3.97/4.0

Windsor, CT | May 2021

## SKILLS

Python • Java • Blender • LaTeX • Photoshop • Illustrator • InDesign • Git • JavaScript • HTML • CSS • Figma

Drawing • Painting • Printmaking (Silkscreen, Zinc Plate Etching) • Wood Working • 3D Modeling • 2D Digital Illustration

## COURSEWORK

Data Structure and Algorithms Digital Storytelling  
Intermediate Painting  
Fictionality and Virtuality

## LINKS

Art Portfolio: <https://www.joyliu.org/>

## EXPERIENCE

### Pioneer Academic Research | *Independent Researcher*

Summer 2020

- Conducted independent research supervised by Dr. Tim Chartier, professor of Mathematics and Computer Science at Davidson College
- Created new mathematical methods to predict NFL game outcomes using Python and presented findings at the 2020 Midwest Sports Analytic Meeting (MSAM) hosted by Central College

### Kaggle Data Analysis | *Independent Researcher*

Summer 2019

- Completed independent data visualization project using Python
- Processed professional golf tour performance data to make predictions regarding their future performance using machine learning

### Stay Home Goose – Online Coloring Book | *Founder*

Spring 2020

- Created a digital collection of hand-drawn coloring sheets available to the public for free during the pandemic
- Achieved 1000+ site visits, and featured in online Covid-19 support groups

### Sorbara Law | *Assistant*

Summer 2021 | Waterloo, ON

- Assisted in creating advertisement graphics and website contents

## ACTIVITIES

### [the space bar] | *Graphic Designer*

Fall 2021 – Present | Durham, NC

- Design infographics and illustrations for a student-run tech newsletter using Blender and Figma

### Printmaking Club | *Founder*

Fall 2018 - Spring 2021 | Windsor, CT

- Raised money through the sale of club member prints to support a local, first-year refugee family
- Organized bi-weekly printmaking workshops on campus to teach silkscreen textile printmaking

### International Student Ambassador

Fall 2018 - Spring 2019 | Windsor, CT

- Provided support and guidance to international students
- Organized bi-weekly international student inclusion events

### Loomis Chaffee School Admission | *Tour Guide*

Fall 2018 - Spring 2021 | Windsor, CT

- Provided perspective families with tours of the Loomis Chaffee School twice a week throughout the school year
- Hosted student panels for new students

## EXHIBITIONS

- Group Exhibition, *DOUGH!* – A National Juried Exhibition, Hera Gallery and Educational Foundation, Wakefield, RI (Juror: Catherine M. Piccoli), 2021
- Group Exhibition, *Connecticut Regional Scholastic Art Awards*, University of Hartford, Hartford Art School, Hartford, CT, 2019