

# YANG YANG

New York, NY

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[Portfolio](#)

[Github](#)

[Linkedin](#)

## SKILLS

### Engineering

JavaScript, TypeScript, Sass, HTML,

C#, Java, Python, Swift, C, C++,

Bash, Go, SQL, MongoDB

React, Node.js, Bootstrap, Next.js,

Redux, Thunk, Webpack, D3,

jQuery, Angular, TensorFlow, ML5,

Keras, Flask, OpenCV, Docker, Git,

Regex, Unity

### UX Design

UX Design, UX Research, Graphic

Design, Product Design,

Prototyping, WireFraming,

Storyboarding, Persona, Responsive

Design, Cinema 4D, Sketch, Flinto,

InVision, Figma, Jira, Adobe

Creative Suite

## AWARDS

Fusion Film Festival

Best Animation Short Winner.

Red Burns Scholarship

Grantee.

TSOA Graduate Scholarship

Grantee.

Refest 2.0

Public exhibition

## EDUCATION

**New York University, New York — MS, 2019**

Interactive Telecommunications Program (ITP), GPA: 4.0

## EXPERIENCE

**Software Engineer and Researcher, New York University, NY,**

August 2019 - Present

**ITP Thesis Archive 2020** (Online Gallery), March 2020 - Present

Site, Source Code, TypeScript, React, React-Spring, Redux

Online gallery developed with cutting edge front-end framework and tools, attracting over 100 of our students to upload their projects to showcase work, and over 5000 viewers in the first month.

- Created an infinite image gallery with 3 person team using React and React-spring while optimizing the website to run fast (60 fps); utilized React hooks and followed Separation of Concerns development approach.
- Implemented numerous micro-interactions, and optimized for mobile and desktop to create a stylish responsive user-interface and provide ease of use.

**COVID-19 Ticker**, (MacOS menu-bar application), March 2020 - Present

[Release Page](#), Source Code: [The App](#), [Release Page](#). Swift, Cocoa, React, TypeScript

Individual project that displays the latest statistics of the coronavirus outbreak in your menu bar.

- Server-less structure makes it easier to maintain and implement since it fetches data (1,000s of lines) from Github.
- Update refresh intervals and country targets to prevent excessive laptop energy consumption up to 99%.
- Requires minimal hard drive space and never crashes.

**Magic Pencil**, (Game utilizing machine learning), February - May 2019

[Documentation](#), Source Code: [Server](#), [Client](#), Unity, C#, Python, TensorFlow, Flask, OpenCV

Individual video game project where players can beat the game through creative doodling.

- Four unique and challenging game levels built with Unity and C#.
- Custom trained ImageNet model with Tensorflow and Google QuickDraw Dataset to recognize user's drawings.
- Server runs the TensorFlow model providing client doodle recognition through Flask APIs.

**Product Designer, Sound Control, China, Nov 2014 - Sep 2016**

**Behinders** Office web site, Flinto, Sketch, Zeplin, Trello

- Selected as both product designer and UX designer to develop product that allows musicians to link published projects to a profile for public review.
- Attracted 90% of top Chinese musicians (over 20k) in the first two years after launch, leading to the largest professional musician community in China.
- Created first copyright library in China to help young songwriters sell their first copyright; accumulated over 10k copyrights in the first year after launch.
- The company raised 3 million dollars in Series B funding in 2017 and managed to achieve breakeven in 2018.