

Creative front end engineer, multimedia artist with visionary entrepreneurship spirit

EDUCATION

NEW YORK UNIVERSITY

Interactive Telecommunications Program May 2016

- MPS, Tisch School of the Arts
- Google Experiment in Storytelling Grant
- Tisch GSO Interdepartmental Grant
- TSOA Scholarship
- Red Burn Scholarship

BEIJING FORESTRY UNIVERSITY

Digital Media Arts Program Jun 2014

- BE, School of Information Science & Technology
- National-level awards include Beijing *Challenge Cup* Extracurricular Science & Technology Contest, *Dare to be Creative* National Undergraduate Game Design Contest, North China 5 states & HK/Macon/Taiwan College Computer Application Contest, *SuningYigou* National Undergraduate Market Elite Compete.
- Over 10 scholarships like 1st-level Study Scholarship, National Encouragement Scholarship etc.

PROFESSIONAL SKILLS

- **GENERAL SKILLS:**
Web Development, Web Crawling, Data Visualization, UI/UX, Computational Media, Video & Sound, Critical thinking, Creativity, Problem Solving, Product Vision, Visionary leadership
- **COMPUTER LANGUAGE:**
Html (5), CSS (3), JavaScript, Python, C++, MySQL, PHP
- **WEB ARCHIVE:**
React, Node.js, D3.js, Web GL, Django, Git, AWS
- **CREATIVE CODING:**
Processing (Java), Cinder (C++), MaxMsp
- **DESIGN SOFTWARE:**
Photoshop, Illustrator, After Effects, Premiere, Audition, 3ds Max, Rhino
- **RAPID PROTOTYPING:**
Arduino, 3D printing, laser cutting, fabrication, design sketching
- **LANNUAGE:**
Mandarin Chinese (Native), English (Fluent)

WORK RELEVANT EXPERIENCE

OATH INC (FORMER YAHOO!) *Software Engineer* *Sunnyvale* *Nov 2016 - Now*

- **Skills:** Front End Dev, React, Node.js, Linux, git.
- Building the next-generation core content experience for Yahoo News web, mobile web and Yahoo home page mobile web. Constant attention to scalability, performance, accessibility and cross-browser compatibility. Partner closely with product, design and etc. to redesign and implement new user interfaces and experiences.
- Yahoo News 2018 midterm election interactive maps. Work engineering independently on election features with minimum support from design and product. Specifically, define, design and develop midterm state result pages, and unify data representation methods across all election modules.
- Live coverage. Main contributor to the live coverage module that is constantly polling updates for major events. Universally used in content pages in Yahoo homepage, News, Finance, Sports etc., including desktop, mobile web and mobile apps.
- VaaS (Voice as a Service). Propose and develop a micro service prototype that focuses on audification of video and text content, and syndication to various voice products.
- SEO. Work with SEO manager to implement features that boost Yahoo pages SEO.
- Yahoo author pages. Design, develop author pages, enrich page content and meta data.
- Co-founded a company-wide internal voice community of practice. Help connect voice technology enthusiasts, host events and provide co-learning resources and help unifying voice solutions.
- Have been constantly and proactively researching, prototyping and developing solutions with company products in alternative media such as motion, voice and XR. Some won company hackdays.

VIACOM *Creative Full Stack Web Developer* *New York* *Oct 2015 - Feb 2016*

- **Skills:** Node.js, Socket.io, JavaScript, UX.
- Outrage Machine is an intern collaboration among ITP, Viacom and NYC Media Lab, aimed at interrogating social outrage using screen-based interactive design and storytelling.
- Projects were presented on the two Viacom billboards in Times Square on Jan 2016.
- In charge of development of the entire web app, a real time canvas drawing simulation.

YOUKU TUDOU INC *Android Developer Intern* *Beijing* *May 2014 - Aug 2014*

- **Skills:** Android development.
- Youku Android app animation module.
- Encapsulate under and above Android 3.0 honeycomb animation module.

PICKME TECHNOLOGY INC *Founder and Backend* *Beijing* *May 2013 - May 2015*

- **Skills:** leadership, project management, backend development (PHP).
- Online student flea market platform.
- Sponsored by National Entrepreneurs and Innovation Training Program.
- Led the team to successfully launch products in Android and web.
- Covered Beijing Forestry University student market., with 1000 registered users and 5000 DAU.
- Backend development; UI/UX director.

SELECTED PROJECTS

GOOGIE: AN EXPERIMENTAL FUTURISTIC DANCE PIECE CREATED AS A REFLECTION OF HUMAN - COMPUTER CONVERSATION

- **Showcase:** DanceHack2017@SF, XLab@Oath.
- **Tools:** Kinect, Unity, TextToSpeech, Node.js, WebSocket.

SNAILS PRANCE: A SUREAL VIDEO FROM A YEAR EFFORT OF SHOOTING SNAILS

- **Showcase:** Five Towns College performing arts center.
- **Tools:** iPhone camera, After Effect, Audition, Three.js, Processing.

RESTAGE: GENERATIVE MOSAIC POWERED BY THE INTERNET DANCE DATA

- **Sponsorship / Showcase:** ITP Spring Show 2016, NYC Media Lab Submit 2016, Google XStory - Experiment in Storytelling Annual Showcase 2016.
- **Tools:** Python, Django, D3.js, Web Crawling.
- In charge of information crawl/extraction methods define, generative art creation, web frameworks.

CHOREO3D: COMPUTATIONAL CHOREOGRAPHY

- **Sponsorship / Showcase:** NYU Tisch GSO event, Choreographic Coding Lab (CCL) NYC Showcase.
- **Tools:** Vicon Motion Capture, Cinder, C++.
- In charge of skeleton system and GUI.

SPACEROAM: DIGITAL DANCE PERFORMANCE

- **Showcase:** NYC Media Lab Submit 2015.
- **Tools:** Node.js, Three.js, MaxMsp.

MOTORWAY: OFFICIAL MOBILE APP OF MOVIE MOTORWAY

- **Sponsorship:** Beijing Undergraduate Science and Technology Innovation Training Program, Media Asia Film Co., Ltd.
- **Tools:** Html5, CSS, JavaScript, AppCan Engine.
- In charge of web animation.

OTHER

- Teaching at DanceHack 2017 SF: Intro to Physical Computing with NodeMCU.
- Tenth-level Certificate for Chinese Classic Dance(highest).
- Gold prize of solo Chinese classical dance in National Excellence in both Performing Skills and Moral Integrity.
- 1st prize in Beijing Undergraduate Art Performance Challenge - Dance.
- 6th Wuzhen International Theater Festival (site specific improvisation at Carnival).