

WENQI LI

Front End Developer /
Creative Technologist

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SKILLS

Front-End

React, Redux,
JavaScript, TypeScript,
Scss / CSS in JS,
Jest,
Webpack / Babel / ES6,
WebSocket, WebRTC, Web Audio,
Web accessibility,
HTML5 / CSS3,
Node.js, Express.js, MongoDB,
Electron, Git

Visualization Libraries

3D: Three.js,
2D: P5.js, PIXI.js,
Data: D3.js,
Map: Mapbox, deck.gl

Creative Tech

computational media and
projection mapping,
TouchDesigner,
Isadora, MadMapper,
Max/MSP, VDMX5,
Processing,
WebRTC, Web Audio,
OSC, Syphon, MIDI, Bluetooth,
Arduino, Raspberry Pi,
Kinect, RealSense,
Unity, 3D Scanning,
Eagle, PCB Design,
Vectorworks

EDUCATION

New York University, MPS in Interactive Telecommunications Program (ITP)

May 2018

Peking University, ME in Software Engineering

June 2016

EXPERIENCE

Research Fellow, ITP, New York, US

Jul 2018 - Present

- **Full stack and web development** of web application, interactive data visualization, connected devices and open source tools. Used for commercial service, art installation, and live performance.
- **Beta launched and implemented web accessibility** for p5.serialcontrol.
- **Designed, developed and exhibited** interactive web-empowered installation projects, *Dream Computing Experiments (Shanghai, 2018)*, *Clothesline (New York, 2018)*, and *DataSim Hallway (Marriott Headquarter, Bethesda, 2019)*.
- **Assisted students and professors** with weekly office hours, front end development, Github workshops.
(JavaScript, React, Three.js, PIXI.js, ARIA, Socket.io, Node.js, Electron, Git)

Front-End Developer, Adjacent, New York, US

Mar 2018 - Present

- **Project management, version control and style guideline** of digital magazines interfaces development.
- **Improved web accessibility** using ARIA.
- **Refactored and maintained** the code for compatibility with mobile platforms. Implemented templates with brutalist style web design.
- **Launched** 5 issues with a user base of almost 3000 readers.
(JavaScript, Scss, React, Semantic HTML, ARIA, p5.js, Git)

New Media Director, Path New Music (nonprofit), New York, US

Sep 2017 - Present

- Collaborated with artists to create interactive web canvas visualization for experimental live performance, *Simulacrum (new media opera)*.
- Developed MIDI / DMX control application and immersive projection space.
- Presented at the 3LD Art & Technology Center. The sold-out show was featured on *Broadwayworld*, *Icareifyoulisten*, and *Schmopera*.
(JavaScript, p5.js, three.js, WebMidi, Node, WebSocket, OSC)