

Yining Shi

yining@nyu.edu | +1 (646) 467-0469 | <http://www.1023.io>

EDUCATION

New York University, Tisch School of the Arts 09/2014 - 05/2016

Master's Degree, Interactive Telecommunications Program (ITP)

Thesis: [P5 Playground](#) – a tool to help people learn creative programming faster.

Beijing University of Posts and Telecommunications (BUPT) 09/2010 - 06/2014

Bachelor of Science in Electronics Engineering Technology

Thesis: [Tangible Interaction to help children learn programming](#).

SKILLS

- **Programming:** JavaScript (Experience with React/Redux, D3.js, AngularJS, favorite stack is MERN), CSS, HTML, C++, Java, PHP, MATLAB.
- **Design:** Adobe Creative Suite - Photoshop, Illustrator, After Effects, Premiere.
- **Prototyping:** Eagle CAD, Processing, Arduino, 3D printing, laser cutting, CNC.
- **HCI/UX Research:** task analysis, user research, prototyping, literature review, field observation, heuristic evaluation.

EXPERIENCE

Interactive Telecommunications Program (ITP), NYU <https://tisch.nyu.edu/itp> 08/2016 – Present

Research Resident

- Develop web applications for educational purposes in the ITP community (e.g. [ITP Project Finder](#), [ICM Quizzes](#)).
- Contribute to several Processing Foundation projects like the [p5.js Web Editor](#) built on a MERN stack (MongoDB, Express, React/Redux, and Node).
- Lead workshops for ITP students about Javascript, data visualization, physical computing and fabrications.
- Independent research: developing learning and programming tools that visualize the code to help people debug faster and understand programming better. <http://1023.io/p5-inspector/>

Green River <http://www.greenriver.com/> 08/2016 – Present

UX Engineer

- Design and develop web Interfaces for various data visualization projects with D3.js, React, Sass and Babel.

Institute of Fine Arts, NYU 09/2015 – 08/2016

Front End Web Engineer and Designer

- Designed and maintained features for the IFA's website with a static web stack- JS, JQuery, D3.js, PHP, WordPress.
- Developed an engaging data-visualization to reactively browse the [dissertations archive of IFA](#).
- Designed and developed an interactive data visualization project [mapping all IFA alumni](#) from all over the world.

Tomorrow Lab <http://tomorrow-lab.com/> 06/2015 – 09/2015

Electronics Design Engineer Intern

- Work on the design and engineering aspects on a number of client-based and in-house projects. Responsibilities included research, designing circuits using Eagle CAD, sourcing materials, prototype development, fabrication, electrical engineering support.

HCI Lab, Institute of Software Chinese Academy of Sciences 07/2013 - 01/2014

Research assistant | *Project:* TanPro-Kit—an innovative tangible tool to help children learn programming concepts

- Designed and conducted a user study using caricatures and stories to introduce concepts. Also designed and built a tangible sensor-based interface to allow kids to understand flow-of-control, logic and other similar concepts

State Key Lab of Information Photonics and Optical Communication, BUPT 04/2013 - 06/2013

Research Assistant | *Project:* OpenFlow-based SDN model

- Designed and implemented a user interface, which presents easy to navigate network topology, states and information of in real time and provides a streamlined and effective control panel for network admins.

HONORS AND AWARDS

- Tisch School of the Arts Scholarship, NYU
- Academic Prize for Progress, BUPT (99 percentile)
- BUPT Academic Scholarship (two-time recipient for the third position)