Jennifer Hsu
jennhsu.com | github.com/hsubox

Experience | **Recurse Center** | New York City, NY
Participant — 09/2016 – 12/2016

- **Color Together** (github.com/hsubox/canvas): Inspired by the trendy and popular in-real-life coloring books, this app allows users to collaboratively color online. Built with HTML5, jQuery, and Socket.io
- **Voting App** (github.com/hsubox/voting-app): Users can create, modify, and delete polls and options. Built with EJS, Passport, Express/Node, Sequelize, Sqlite3, and D3
- **Conway's Game of Life** (github.com/hsubox/game-of-life): Built with React and Redux

3M Company — Saint Paul, MN
Lean Process Engineer — 07/2014 – 07/2016

- Led project team of 12+ subject matter experts to rewrite strategic Lean Playbook and deployed corporate-wide
- Improved group's travel impact by developing trip management system used for over 120 trips per year
- Increased factory productivity by reducing changeover time from 13.2 to 4.5 minutes on constrained equipment
- Led $75,000 cost project to qualify non-hazardous waste to be landfilled
- Defined and scoped 10+ executed capital projects totaling over $400,000
- Documented process improvements in operating procedures and created troubleshooting guide to aid operators for recurring issues

EPFL Laboratory for Semiconductor Materials — Lausanne, Switzerland
Research Assistant — 02/2013 – 08/2013

- Investigated possible compatible materials from literature
- Evaluated coatings for nanowires for photocatalytic water-splitting capability and corrosion
- Delivered four presentations to research group and project collaborators and wrote summary of trends and results

Skills | **Programming**: JavaScript (jQuery, React, Redux, React Native, D3, Express, Node, Socket.io, p5, three), Python, Java, HTML5, CSS3 (Bootstrap), Git
Software: Adobe CS (Photoshop, Illustrator, InDesign, Flash), 3D Modeling (SketchUp), Minitab Statistical Software
Language: conversational Mandarin and Cantonese, intermediate French

Education | **Massachusetts Institute of Technology (MIT)** — Cambridge, MA
B.Sc. in Chemical-Biological Engineering — Graduated: 06/2014

- GPA: 4.9/5.0
- Relevant Coursework: Evolutionary Robotics - EPFL

Online Courses

- Relevant Coursework: Software Construction in Java - MITx - 6.005.1x, Algorithms: Design and Analysis, Part 1 - Stanford, Agile Development using Ruby on Rails - Advanced - BerkeleyX CS169.2x, Agile Development Using Ruby on Rails - The Basics - BerkeleyX CS169.1x, Introduction to Computational Thinking and Data Science MITx 6.00.2x, Introduction to Computer Science and Programming Using Python - MITx 6.00.1x, Learn HTML5 from W3C - W3Cx HTML5.1x

Activities/ | **MIT Pistol Team** — Cambridge, MA
Leadership | *Webmaster* — 09/2010 – 06/2014

- Started private team Wiki to aid knowledge transfer to new members and preserve important team documents
- 1st place team in women's air pistol & 3rd place team in women's sport pistol at collegiate nationals (2014)

MIT Outing Club — Cambridge, MA
Treasurer — 05/2011 – 06/2014

- Mobilized over $20,000 in club assets, allowing for increased club activity and new large-scale projects
- Managed financial resources through acquiring funding, rentals, reimbursements, and real estate property costs