

Jennifer Hsu

jennhsu.com | github.com/hsubox

Experience	Recurse Center <i>Participant</i> - 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, Sqli3, and D3 - Conway's Game of Life (github.com/hsubox/game-of-life): Built with React and Redux	New York City, NY 09/2016-12/2016
	3M Company <i>Lean Process Engineer</i> - 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	Saint Paul, MN 07/2014 – 07/2016
	EPFL Laboratory for Semiconductor Materials <i>Research Assistant</i> - 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	Lausanne, Switzerland 02/2013 – 08/2013
Skills	Programming: JavaScript (jQuery, React, Redux, React Native, D3, Express, Node), 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) <i>B.Sc. in Chemical-Biological Engineering</i> - GPA: 4.9/5.0 - Relevant Coursework: Evolutionary Robotics - EPFL	Cambridge, MA Graduated: 06/2014
	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 - 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/ Leadership	MIT Pistol Team <i>Webmaster</i> - 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)	Cambridge, MA 09/2010 – 06/2014
	MIT Outing Club <i>Treasurer</i> - 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	Cambridge, MA 05/2011 – 06/2014