

# Meryl Wang

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<b>Education</b>	<b>Massachusetts Institute of Technology</b> <i>B.S. in Computer Science</i> Relevant Coursework: Software Design, Web Development, Data Visualization, Computational Photography	Cambridge, MA June 2020
<b>Experience</b>	<b>Kite.com</b> <i>Code Curator, Author</i> <ul style="list-style-type: none"><li>Contributed to Kite Answers, a collection of high-quality answers to programming questions</li><li>Authored almost a hundred Python code solutions with concise explanations</li></ul> <b>Ovation.io:</b> a Laboratory Information Management System platform <i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>Designed and implemented batch upload &amp; download features for the LIMS UI</li><li>Added a re-usable CSV validator to validate import files &amp; display helpful error messages</li><li>Employed Ruby on Rails / Ember.js</li></ul> <b>ConquerX: Metachip for Early Cancer Detection</b> <i>Software Development Intern</i> <ul style="list-style-type: none"><li>Data-scraped biomarker databases with Python Selenium and organized data in MongoDB</li><li>Built an interactive web-app that ranks biomarkers based on user criteria (e.g. cancer type), helping labs select biomarkers that respond to cancer cell presence</li></ul> <b>National Cancer Institute</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Studied effects of antibody humanization on physico-chemical properties of antibody-antigen protein-protein interactions</li><li>Applied UNIX Shell scripts to analyze protein models via bioinformatics software</li><li>Published research article describing results of study. Cited in further antibody design studies</li></ul>	San Francisco, CA Sep – Dec 2019  Cambridge, MA Jun – current  UMass Boston, MA Jun – Aug 2018  Ft. Detrick, MD Jun 2015 – Aug 2017
<b>Leadership</b>	<b>MIT Asian Dance Team</b> <i>Technical Director</i> <ul style="list-style-type: none"><li>Organized technical logistics for semesterly showcases (space, staffing, lighting, audio, etc.)</li></ul>	Cambridge, MA Jan 2018 – Jan 2019
<b>Projects</b>	<b>What made you happy today:</b> a narrative visualization <ul style="list-style-type: none"><li>Designed an interactive narrative visualization to help people discover what makes them happy</li><li>Analyzed and transformed data from HappyDB, a collection of 100,000+ happy moments</li><li>Used D3 and other reactive tools to create interactive diagrams from the data</li></ul> <b>Swipe Buddies</b> <ul style="list-style-type: none"><li>Developed a web-app to schedule meetups and encourage meal-sharing between MIT students</li><li>Utilized Node.js backend, Firebase database, and Vue.js frontend</li></ul>	Apr 2020  Jan 2020
<b>Skills</b>	<b>Programming Languages:</b> Python, Java, Ruby, C++ <b>Web Dev:</b> JavaScript, Vue.js, Node.js, Ruby on Rails <b>Other Technologies:</b> MongoDB, Git, LaTeX <b>Language:</b> Fluent Chinese, English, Intermediate Korean	
<b>Publication</b>	Wang M, Zhu D, Zhu J, Nussinov R, Ma B. Local and global anatomy of antibody-protein antigen recognition. <i>Journal of Molecular Recognition</i> . 2017;31(5).	