

Meryl Wang

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Education	Massachusetts Institute of Technology (MIT) <i>B.S. in Computer Science</i> Relevant Coursework: Software Design, Web Development, Data Visualization, Computational Photography	Cambridge, MA June 2020
Experience	Kite.com <i>Code Curator, Author</i> <ul style="list-style-type: none">Contributed to Kite Answers, a collection of high-quality answers to common programming questionsAuthored almost a hundred Python code solutions with concise explanations Ovation.io: a Laboratory Information Management System platform <i>Software Engineer Intern</i> <ul style="list-style-type: none">Designed and implemented batch upload & download features for the LIMS UIAdded a re-usable CSV validator to validate end user's import files & display helpful error messagesEmployed Ruby on Rails / Ember.js ConquerX: Metachip for Early Cancer Detection <i>Software Development Intern</i> <ul style="list-style-type: none">Data-scraped biomarker databases with Python Selenium and organized data into MongoDBBuilt an reactive web-app that ranks biomarkers based on user-selected criteria (e.g. cancer type), helping labs select biomarkers that may identify major cancers National Cancer Institute <i>Research Intern</i> <ul style="list-style-type: none">Studied effects of antibody humanization on physico-chemical properties of antibody-antigen protein-protein interactionsApplied UNIX Shell scripts to analyze protein models via bioinformatics softwarePublished research article describing results of study. Cited in further antibody design studies	San Francisco, CA Sep – Dec 2019 Cambridge, MA Jun – present UMass Boston, MA Jun – Aug 2018 Ft. Detrick, MD Jun 2015 – Aug 2017
Leadership	MIT Asian Dance Team <i>Technical Director</i> <ul style="list-style-type: none">Organized technical logistics for semesterly showcases (space, staffing, lighting, audio, etc.)	Cambridge, MA Jan 2018 – Jan 2019
Projects	What made you happy today?: a narrative visualization <ul style="list-style-type: none">Designed an interactive narrative visualization to help people discover what makes them happyAnalyzed and transformed data from HappyDB, a collection of 100,000+ happy momentsUsed D3 and other reactive tools to create interactive diagrams from the data Swipe Buddies <ul style="list-style-type: none">Developed a web-app to help MIT students share meals by matching students based on their scheduleImplemented a scheduling UI with Vue.js and a matching algorithm with Node.js	Apr 2020 Jan 2020
Skills	Programming Languages: Python, Java, Ruby, C++ Web Dev: JavaScript, HTML/CSS, Vue.js, Node.js, Ruby on Rails Other Technologies: MongoDB, Git, LaTeX Language: Fluent Chinese, English, Intermediate Korean	
Publication	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).	