Meryl Wang

merylwang@alum.mit.edu | 240.529.5637 | merylwang.github.io/Meryl/

Education	**Massachusetts Institute of Technology (MIT)** *Cambridge*, MA

Massachusetts Institute of Technology (MIT) *Cambridge*, MA
B.S. in Computer Science June 2020
Relevant Coursework: Software Design, Web Development, Data Visualization, Computational Photography

Experience

Kite.com *San Francisco, CA*
Code Curator, Author Sep – Dec 2019
- Contributed to Kite Answers, a collection of high-quality answers to common programming questions
- Authored almost a hundred Python code solutions with concise explanations

Ovation.io: a Laboratory Information Management System platform *Cambridge, MA*
Software Engineer Intern Jun – present
- Designed and implemented batch upload & download features for the LIMS UI
- Added a re-usable CSV validator to validate end user's import files & display helpful error messages
- Employed Ruby on Rails / Ember.js

ConquerX: Metachip for Early Cancer Detection *UMass Boston*, MA
Software Development Intern Jun – Aug 2018
- Data-scraped biomarker databases with Python Selenium and organized data into MongoDB
- Built 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 *Ft. Detrick*, MD
Research Intern Jun 2015 – Aug 2017
- Studied effects of antibody humanization on physico-chemical properties of antibody-antigen protein-protein interactions
- Applied UNIX Shell scripts to analyze protein models via bioinformatics software
- Published research article describing results of study. Cited in further antibody design studies

Leadership

MIT Asian Dance Team *Cambridge*, MA
Technical Director Jan 2018 – Jan 2019
- Organized technical logistics for semesterly showcases (space, staffing, lighting, audio, etc.)

Projects

What made you happy today?: a narrative visualization Apr 2020
- Designed an interactive narrative visualization to help people discover what makes them happy
- Analyzed and transformed data from HappyDB, a collection of 100,000+ happy moments
- Used D3 and other reactive tools to create interactive diagrams from the data

Swipe Buddies Jan 2020
- Developed a web-app to help MIT students share meals by matching students based on their schedule
- Implemented a scheduling UI with Vue.js and a matching algorithm with Node.js

Skills

Programming Languages: Python, Java, Ruby, C++
Web Dev: JavaScript, HTML/CSS, Vue.js, Node.js, Ruby on Rails
Other Technologies: MongoDB, Git
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. *Journal of Molecular Recognition*. 2017;31(5).