Meryl Wang

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EDUCATION

Massachusetts Institute of Technology (MIT) — Cambridge, MA
Bachelor of Science in Computer Science — *Aug. 2016 – May 2020*

EXPERIENCE

Software Engineer — Jun 2020 – Jan 2023
Ovation.io: SaaS Laboratory Information Management System (LIMS) — *Cambridge, MA*
- Managed application infrastructure, network, and deployment (CI/CD) pipeline using AWS, Terraform, GitHub Actions, and Auth0 as part of the DevOps team
- Designed and implemented Frontend UI of data querying product using React and TypeScript
- Developed on full-stack LIMS product using Ruby on Rails, Ember.js, and MySQL
- Responded to emergencies and client requests as on-call support engineer
- Collaborated with scrum team in Agile development cycle using Jira

Content Contributor — Sept - Dec 2019
Kite.com: Using AI to help developers write code — *San Francisco, CA*
- Contributed to Kite Answers, a collection of high-quality answers to curated programming questions
- Authored around a hundred code solutions with concise explanations in Python

Software Engineer Intern — Jun - Aug 2019
Ovation.io — *Cambridge, MA*
- Designed and implemented batch upload and download features for LIMS UI
- Implemented a re-usable CSV validator to validate end-user's import files and display helpful error messages

Software Development Intern — Jun - Aug 2018
ConquerX: Metachip for Early Cancer Detection — *Boston, MA*
- Data-scraped selected biomarker databases via Python Selenium
- Designed and implemented an optimal database structure using MongoDB to store & retrive scraped data
- Built an interactive web-app that presents biomarkers based on user-selected criteria (such as cancer type), helping the lab curate biomarkers that may identify major cancers

Bioinformatics Research Intern — Jun 2015 - Aug 2017
National Cancer Institute (NCI) — *Fort Detrick, MD*
- Studied the 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 that is cited in further antibody design studies

LEADERSHIP

Technical Director — Jan 2018 - Jan 2019
MIT Asian Dance Team — *Cambridge, MA*
- Managed technical logistics for bi-annual showcases, coordinating space, staffing, lighting, audio equipment, etc. for team of 300+

TECHNICAL SKILLS

Programming Languages: Python, SQL (MySQL), JavaScript, Ruby, Java
Frameworks: React, TypeScript, Ember.js, Vue.js, Ruby on Rails
Developer Tools: Git, GitHub Actions, Docker, DataGrip
DevOps Tools: AWS (ECS, EC2, S3, CloudWatch, etc.), Terraform, Auth0
Languages: English, Chinese (fluent)

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).