

MICHELLE ZHAO

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Present Address:
1165 Johnson St.
Redwood City, CA 94061

Permanent Address:
4911 Maplewood Avenue
Los Angeles, CA 90004

SKILLS

- Python, R, Java, C++, C, MATLAB, STATA
- Fluent Korean, Proficient Spanish

EDUCATION

9/11-present

Stanford University, Stanford, CA

- Pursuing B.S. Degree in Computer Science, Biocomputation Track, 09/11 - 12/15
- Pursuing M.S. Degree in Biomedical Informatics, 09/15 - 06/17
- Highlighted Coursework: Data Mining & Analysis, Introduction to Artificial Intelligence, Representations and Algorithms for Computational Molecular Biology, Intermediate Biostatistics: Regression, Prediction, Survival Analysis, Economics of Health and Medical Care

EXPERIENCE

10/15-PRESENT

Research Assistant, Stanford University FSI | CHP/PCOR - Stanford, CA

- Working under Professor of Medicine and (by courtesy) Economics and Health Research and Policy, Jay Bhattacharya
- Worked on the Future Elderly Model for Japan, Taiwan, South Korea, and China, which simulates future disability landscapes for rapidly aging East Asian countries

5/12-present

Kopito Lab Data Analysis Consultant, Stanford University Department of Biology, Stanford, CA

- Conducting linear mixed-effect models analysis on K-GG Profiling protein data to investigate how the abundance of K-GG modifications change over time for peptides as a surrogate for how ubiquitination of the protein to which these peptides map changes over time (R)

06/15-09/15

Software Development Intern, IBM - Cloud Services, San Jose, CA

- Built and tested tools to automate configuration of virtual machine environment networks through Vagrant and OpenStack (Python)
- Built preliminary OS application for finding hospitals with best quality of care for a given condition and location (Swift)

06/14-09/14

Computer Engineering Intern, Medtronic Inc., Minneapolis, MN

- Data analysis of medical device parameters; Specifically: Interstim for Urinary Incontinence
- Scripts written in Python/R to automate cleaning/analyzing the dataset

09/13-present

Resident Computer Consultant, Stanford University, Muwekma-tah-ruk, Stanford, CA

- Responsible for wireless network and registration for the Stanford network
- Educating residents on best practices for secure computer usage
- Teaching CS1C: Introduction to Computing at Stanford, CS2C: Multimedia Production

ACTIVITIES

09/14-06/15

Girls Who Code Volunteer Teacher

- Teach computer science principles and coding once a week to girls at local Milpitas Public Library

05/14-06/15

Phoenix Scholars Mentor

- Assisted a socioeconomically disadvantaged high school student with navigating college applications