

VIVIAN LIU

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EDUCATION | UC BERKELEY, CLASS OF 2019

- 4.0/4.0 GPA
- Computer Science & Cognitive Science, Certificate in New Media

AWARDS | 2014-2015 CAL ALUMNI ASSOCIATION LEADERSHIP AWARD

- \$2000 merit scholarship granted to students demonstrating innovative leadership.

2ND PLACE, FALL 2015 WEB DESIGN SHOWCASE

2014 SILVER KEY, Scholastic Writing Awards West Region-at-Large

2013 HONORABLE MENTION, Toshiba/ NSTA ExploraVision

- Artificial Liver X Receptor Agonists: Concept to use nanoshells + agonists for Parkinson's.

WORK | BIG DATA ENGINEERING INTERN, First Data

SUMMER 2016

- Automated data pulls from API's with Python.
- Created and maintained database and schema.
- Streamlined and automated data visualization of Census + company data in Tableau.
- Designed new product module for location analysis, merging Census + company data.
 - Engineered efficient back-end SQL query backbone.
 - Prototyped front-end UI/UX.
 - Tool allows for longitudinal analyses of industry growth at ZIP code level.
- Conducted economic event analysis in Vertica, MySQL.

RESEARCH ASSISTANT, Cognition & Action Laboratory under Prof. Richard Ivry

SPRING 2016-FALL 2016

- Ran psychophysics experiments on time perception and reaction speed.
- Coded in MATLAB to conduct analysis on data.
- Safety certified for MRI scanning and shadowing.

PROJECTS | NEW MEDIA DATA PROJECT

FALL 2016-PRESENT

- Web scraping, image processing, and data visualization for digital humanities research.
- Used Python, Java, social media API's, Python Imaging Library, NetworkX, Cytoscape to analyze Instagram media sets and metadata.
- Project culminated in data art and research paper.

TEMPTEMP, (Temporary Temperature) TEAM PROJECT

SPRING 2016

- 3D printed and prototyped a wearable inspired by research in jackrabbit ear vasodilation and constriction for Bio-Inspired Design course.
- Team selected to present at Jacobs Institute of Design Spring Showcase.

LANGUAGES | JAVA, PYTHON, SQL, HTML, CSS, JQUERY

/SKILLS | TABLEAU, ARDUINO, PROCESSING, 3D PRINTING, ADOBE SUITE, RESEARCH

VOLUNTEER | LOGISTICS CHAIR (prev. ONLINE CHAIR), MSJHS RELAY FOR LIFE

2013-2015

- Coordinated logistics behind 24 hr 400+ people fundraiser that raised cumulative 70k+
- Managed website, transfer of soft funds, online communication.