

# Phoebe Wong

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## EDUCATION

### **Harvard University**

*Master of Science, Data Science*

Dec 2019 (expected)

### **University of California, Berkeley**

*Bachelor of Arts, Psychology, Highest Honors and High Distinction (magna cum laude)*

May 2016

## SKILLS

Data Analysis: Python, R, R Shiny Application/Dashboard, SQL, solr  
Software: Git, Amazon Web Service (AWS), Docker, Amazon Mechanical Turk, Qualtrics  
Language: Chinese: Cantonese (Native) and Mandarin (Fluent)

## AWARDS AND PROJECTS

### **Winner of 2018 Technology Supporting Women Hackathon**

- Developed a R Shiny web application that displays national hospital locations using R, Google Maps API and leaflet javascript library in 9 hours. Incorporated Google Sheets API to crowdsource hospital information from general public

### **2<sup>nd</sup> place of Massachusetts at Women in Data Science Datathon 2018 on Kaggle by Stanford University**

- Built machine learning models to predict survey respondents' gender based on demographic and behavioral information as well as usage of traditional financial and mobile financial services

### **Visualizing Microsoft Outlook calendar history in R and D3.js**

- A R Shiny web application that allows users to analyze and visualize their calendar history and meeting network

## RELEVANT EXPERIENCE

### **Data Science Intern**

*Warner Media Applied Analytics, Boston*

May 2018 – July 2018

- Led independent project examining relationship of online virtual stock market and domestic box office
- Built production-ready web scraping pipeline to acquire and store ~1GB external data weekly
- Led a project on investigating the importance of psychographic information in predicting one's movie preference

### **R Shiny Web Developer**

*EcoHealth Alliance, New York*

June 2018 – July 2018

- Implemented an accessible and user-friendly R Shiny web application for a land-use change economic model
- Created interactive and interpretable visualizations for users and the general public to interact with the economic model

### **Primary Research Analyst**

*Legendary Applied Analytics, Boston*

Aug 2016 – May 2018

- Developed and maintained internal R data analysis and visualization packages using GitLab
- Automated qualitative and quantitative survey data analysis, visualization and reporting processes using R
- Guided digital marketing campaigns by providing actionable recommendations based on consumer survey results
- Analyzed individual physiological responses (heart rate and facial emotion) at millisecond-level of ~300 participants

### **Computational Research Assistant**

*Haas School of Business, Berkeley - Lester Center for Entrepreneurship*

Nov 2015 – May 2016

- Analyzed and manipulated archival data sets of ~1.9 million online resumes and LinkedIn public profiles
- Utilized MTurk and Alchemy API to increase the matching rate by 42% between LinkedIn profiles and 65-year of company metadata from Compustat, an online database of information on global public-listed companies
- Retrieved and cleaned data of ~300,000 companies from public databases Crunchbase and AngelList
- Involved in the support of the New York Times cited Future Founders Project with Bloomberg Beta