stephanie bao

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(redacted)
stephbao.github.io/portfolio

Education

Carnegie Mellon University
B.S. in Statistics and Machine Learning
Additional Major in HCI
Dec 2018
GPA: 3.35

Skills

Data Analysis and Visualization
Python • pandas, numpy
R
MySQL, PostgreSQL

Rapid Prototyping
User Research
HTML & CSS
Javascript
Sketch
Adobe Illustrator
InVision
Balsamiq

Relevant Coursework

10-601 Introduction to Machine Learning
15-122 Principles of Imperative Computation
36-401 Modern Regression
05-430 Programming User Interfaces
05-410 User-Centered Research and Evaluation
05-499 Twitch Plays Game Design
51-261 Communication Design Fundamentals

Experience

Teaching Assistant | CMU Dept. of Statistics and Data Science
August 2016-Present
Led weekly labs using Minitab that enforced statistical methods taught in class. Graded homework and exams.

Research Assistant | Ubiquitious Computing Lab
June-September 2017
Visualized and analyzed mobile data collected from Fitbit to determine significant features that measure and predict psychological resilience in university students.

Research Intern | Center for Machine Learning and Health
May-September 2017
Designed a large-scale study to explore human perceptions of fairness, trust, and emotion regarding the human-in-the-loop scenario and algorithmic decisions. Created data cleansing scripts and ran statistical analysis. Co-wrote research paper "When humans and algorithms work together: Understanding perceptions of human-in-the-loop algorithmic decisions"

Independent Study | Big Historical Data
January-May 2017
Organized and analyzed a demographic dataset drawn from the Oxford National Biography in order to explore significant factors in predicting an individual's historical era.

Projects

When humans and algorithms work together: Understanding perceptions of human-in-the-loop algorithmic decisions
Co-authored research paper on the differences between how humans perceive algorithmic, human, or human-in-the-loop decisions.

Chat Based-Sentiment Analysis Extension for Twitch Streams
Designed chrome extension that generated visual representations of live data collected from Twitch and conducted sentiment analysis using AlchemyLanguage.

Interests

Data Analytics. Machine Learning. User Experience Design and Research. Gaming. eSports .