Felicia Zhang

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EXPERIENCE

Mindprint Learning June 2018 – Present

Data Scientist

- Working directly with Founder and CEO of Mindprint Learning
- Implementing unsupervised learning model to establish the relationship between company's product and standardized test scores
- Iterating upon models to test hypotheses and optimizing between accuracy and interpretability

Princeton Area Community Foundation April 2018 – October 2018

Data Science Intern

- Cleaned and merged data from NJ Department of Education School Performance for the past 10 years
- Implemented supervised learning models to identify important features that predict chronic absenteeism (i.e. students that chronically miss school) in Mercer County
- Presented findings to board members of the Princeton Area Community Foundation
- Designed report summarizing significant research findings, which will be used as baseline for a 5-year initiative in reducing chronic absenteeism

Princeton University September 2015 – Present

Graduate Student

- Designing novel experiments (i.e. A/B testing) to investigate infant learning
- Using correlation, t-tests, ANOVAs, resampling methods and model comparisons to analyze data
- Optimizing experimental design based on results
- Presenting research findings at international and local conferences
- Mentoring undergraduate students working in the lab

PROFICENCIES

Technical skills: R, MATLAB, Python, SPSS, Adobe Photoshop

Experience*:* experimental design, hypothesis testing, supervised and nonsupervised learning, data visualization, presentations (i.e. presenting research to scientific and non-scientific community), eye tracking methodology, project management, mentorship

EDUCATION

Princeton University 2015 – 2020 (Expected)

Graduate Student (Ph.D) in Cognitive and Developmental Psychology

Advisors: Lauren Emberson & Casey Lew-Williams

University of Toronto 2010 – 2014

Honors B.Sc. with High Distinction in Psychology Research Specialist Program

Advisor: Morgan Barense

Thesis: The Effects of Training on Conjunctive Visual Search