

# 王静玄

☎ 电话: +86 186-000-68686 | ✉ 邮箱: corawang@sas.upenn.edu

🌐 作品集: <https://wangjing3.wixsite.com/corawang>

## 技能

- 熟练掌握 C, Java, JavaScript, html, CSS, MATLAB, R; 熟悉 Python, Scheme, Tableau, Latex
- 精通图像编辑、排版软件 Adobe Photoshop, Illustrator, InDesign, 熟悉 Axure

## 教育背景

### 格林奈尔大学 Grinnell College

心理学学士, 美国 TOP15 文理学院 Phi Beta Kappa 荣誉学会成员, Psi Chi 荣誉学会干部

- 绩点: 3.80/4.00

### 宾夕法尼亚大学 University of Pennsylvania

学士后, 主修信息技术

- 绩点: 4.00/4.00

### 卡内基梅隆大学 Carnegie Mellon University

人机交互硕士

格林奈尔, 美国

2014 年 – 2018 年

费城, 美国

2018 年 8 月 – 12 月

匹兹堡, 美国

预计 2020 年 8 月毕业

## 项目经历

### 手机应用概念设计: 焦虑管理

独立项目研究员及设计师

- 对高焦虑人群的分类、用户习惯进行挖掘分析, 设计配合 IOS 端的焦虑管理 app, 构建焦虑测试、行为矫正、认知疗法等模块
- 学习 Swift 语言和 IOS API, 用 Adobe 套装构建 UI 交互界面

### 回归分析: 美国肥胖率及其影响因素

研究员和分析师

- 调查理论背景, 处理数据、分析全美国近年来各郡肥胖率变化以及相关自然、经济、社会、人文因素
- 筛选相关因素及其交互作用, 用 R 建立并验证影响全美肥胖率因素的数学模型

### 数据挖掘: 对于人类身体尺寸的分类及预测

独立分析师

- 用分类和回归树 (CART) 根据各项身体尺寸数据预测受试者的人种
- 随机分配训练集和测试集, 用测试集验证决策树的信度

### 数学建模: 美国大学生毕业起薪分析

研究员和开发者

- 用高校计分卡 (College Scorecard) 挖掘分析影响全美高校近年毕业生起薪的因素
- 选取 SAT、ACT 数学、STEM 专业等相关因素创建搭载于 Shiny App 上的回归模型

## 实习经历

### 暑期研究员, 社会认知发展实验室

耶鲁大学

- 研究 4-12 岁儿童的道德观和幸福观之间的联系, 设计对比实验, 用 R 进行数据分析和可视化

### 项目负责人, 学术咨询办公室

格林奈尔大学

- 深入研究四大学习成果问卷(e.g. LASSI, MSLQ)的信度与效度, 并面向格林奈尔大学学生情况设计有针对性的学习成果评估量表

### 暑期研究员, 认知神经科学实验室

中国科学院心理研究所

- 研究抑郁症患者的注意偏向, 运用 MATLAB 和 Python 改进 Stroop Task、Dot-probe Task 等认知功能范式, 收集患者数据, 并用 R 进行数据分析

# Jingxuan (Cora) Wang

☎ phone: +1 (319) 383-5391 | ✉ corawang@sas.upenn.edu | 🌐 <https://wangjing3.wixsite.com/corawang>

## SPECIALIZED SKILLS

### Computer and Coding

- Java; C; Python; JavaScript; html; CSS; MATLAB; Scheme; Latex; R; SPSS; Tableau
- MS Office; Adobe Photoshop; Adobe Illustrator; Adobe InDesign; Adobe Premiere

## EDUCATION

### Grinnell College

Grinnell, IA

*B.A. in Psychology, Phi Beta Kappa, Psi Chi*

August 2014 - May 2018

- GPA: 3.80/4.00
- Selected Coursework: Functional Programming Language; Imperative Programming Language; Introduction to Data Science; Applied Statistics; Psychological Measurements; Research Methods

### University of Pennsylvania

Philadelphia, PA

*Post-Baccalaureate Studies*

August 2018- December 2018

- GPA: 4.00/4.00
- Coursework: Mathematical Foundation of Computer Science, Introduction to Computer Systems; Linear Algebra; Probability

### Carnegie Mellon University

Pittsburg, PA

*Master of Human-Computer Interaction*

Expected August 2020

## PROJECTS

### Smartphone Application: Anxiety Management

Grinnell, IA

*Individual Researcher and Designer*

February 2018 – May 2018

- Designed an iOS application that helps anxious individuals manage anxiety through self-assessments and a simple therapy Attentional Bias Modification (ABM)
- Learned Swift programming language and iOS API along with Adobe Suites for UI design

### Regression Analysis: Modeling U.S. obesity rates

Grinnell, IA

*Researcher and Analyst*

February 2018 – May 2018

- Built regression models of U.S. obesity rate at the county-level (with *R* and *Tableau*)
- Validated the model with the validation set and the test set

### Data Mining: Classification and Prediction of Human Dimensions

Grinnell, IA

*Individual Analyst*

March 2018 – April 2018

- Used Classification and Regression Trees (CART) to predict ethnicity using body dimension data (with *R*)
- Validated the prediction with the testing data

### Math Modeling: Projecting U.S. Post-Graduate Earnings

Grinnell, IA

*Analyst and Developer*

February 2017 – March 2017

- Used U.S. College Scorecard to project the post-graduate earnings (with *R*)
- Developed a *Shiny App* to visualize the relationships between post-graduate earnings and SAT, STEM, etc.

## RESEARCH EXPERIENCES

### Summer Undergraduate Researcher

New Haven, CT

*Social Cognitive Development Lab, Yale University*

June 2017-August 2017

#### Developmental happiness: how do children understand happiness?

- Designed, conducted, and analyzed (with *R*) the effect of morality on children's understanding of happiness

### Undergraduate Researcher

Grinnell, IA

*Academic Advising, Grinnell College*

May 2017-June 2017

#### Test development for learning achievement assessments

- Investigated the reliability and validity of several affective assessment instruments (e.g. LASSI, MSLQ)
- Developed an integrated psychometric assessment to measure several learning achievement domains

### Summer Undergraduate Researcher

Beijing, China

*Cognitive Neuroscience Lab, Institute of Psychology, Chinese Academy of Sciences*

May 2016-July 2016

#### Functional classification of Major Depressive Disorder and behavioral and neural substrates

- Designed, conducted and ran analysis of several Attentional Bias paradigms in Major Depressive Disorder (with *MATLAB* and *R*)