

# SORI BAEK

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## EDUCATION

### Princeton University

Princeton, NJ

Ph.D. Candidate in Psychology & Neuroscience (GPA: 3.96; GRE: 163V, 166Q) Aug. 2018 – May. 2022 (Expected)

- National Science Foundation Graduate Research Fellowship 2020 (\$138,000 for top PhD candidates in STEM)
- Princeton Centennial Fellowship 2018 (Awarded to 2 students in the department per year)

### University of Minnesota

Minneapolis, MN

B.S. in Psychology, Minors in Statistics & Neuroscience (GPA: 3.94; ACT: 35) Sep. 2012 – May 2016

- 7 Awards: National Scholarship, National Merit Scholarship, Gold Scholarship, Edelstein Scholarship, 3 others
- Graduated with *Summa Cum Laude* with high distinction (Top 2% of the graduating class)

## LEADERSHIP & TEAMWORK EXPERIENCE

### Project Leader, Princeton University Strategy Group

Nov. 2020 – Present

- Advise the Director of Global Operations of an education firm on organizational strategies for employee retention
- Lead 5 consultants to survey 50+ previous/current employees and perform 20+ quantitative models
- Recommend organizational changes that is expected to yield an estimated 15% increase in profit

### Co-President, Princeton University Graduate Consulting Club

Jun. 2020 – Present

- Organize 12 consulting events, drawing 400+ attendees total and doubling the number of active club members
- Establish 3 pro bono consulting opportunities for club members and staff projects with student consultants
- Discuss commercial viability of new inventions from Princeton labs as a panelist in the Innovation Discovery Event

### Head Preceptor, Princeton Department of Psychology

Sep. 2019 – Present

- Lead 6 teaching assistants and coordinate the largest course in the department (250+ students)
- Mentor 65 undergraduate students (received 4.5/5 rating vs. department average of 4.1/5)

### Social Chair, Princeton Graduate College

Jan. 2019 – Jan. 2020

- Planned & hosted 49 weekly networking events, increasing attendance by 400% compared to previous year
- Managed the events budget, decreasing the cost of the event per attendee by over 60%
- Developed a 3-step diversity strategy to promote inclusivity and welcomed participants from 15+ communities

## PROFESSIONAL EXPERIENCE

### Graduate Researcher, Princeton Joint Degree Program

Sep. 2018 – Present

- Devised and executed an experiment to locate the infant attention network (first-author paper under review)
- Recommend research strategies to improve accuracy of results (first-author paper under review)
- Synthesize 21 years of research about brain development and published a book chapter as the lead author
- Design 3 virtual experiments and help convert 2 lab studies into online studies to adapt to COVID restrictions
- Organize Five College Conference as the Princeton representative and collaborate to encourage 70+ attendees

### Project/Lab Manager, Stanford School of Medicine

Jul. 2016 – Jul. 2018

- Led a team of 4 researchers to design an experiment on number perception, resulting in a first-author publication
- Problem-solved inefficiencies in experimental protocol and re-engineered the data collection process, leading to a 3-fold increase in researchers' productivity & estimated 33% increase in data quantity
- Project-managed 5 studies on the brain mechanisms underlying perception (3 publications, 1 under review)

### Paid Research Assistant, University of Minnesota

May. 2015 – May. 2016

- Collaborated with senior researchers on research design and data collection for 3 studies
- Presented the results at an international conference and co-wrote a publication

## PUBLICATIONS & PRESENTATIONS

**6 Publications:** *Nature Communications* (2020), *Nature Human Behaviour* (2020), *Progress in Brain Research* (2020), etc.

**15 Presentations:** 10 regional and international conferences (up to 40,000+ attendees) and 5 talks

## SKILLS & INTERESTS

**Data Analysis & Programs:** AB testing, predictive analytics, statistical modeling, machine learning, MATLAB, R

**Language:** English (native), Korean (native)

**Interests:** Designing and selling 100+ t-shirts online; volunteering with K-12 students; event planning