

# KIMBERLY EPSTEIN

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## EDUCATION

### University of Pennsylvania

Philadelphia, PA  
Aug. 2020 – May 2024

B.A., GPA: 3.81

Majors in Computer Science & Cognitive Science

Minors in Consumer Psychology & Linguistics

### Vanguard High School

Ocala, Florida  
Aug. 2016 – Jun. 2020

Valedictorian, GPA 4.96

International Baccalaureate (IB) Diploma Recipient

## LANGUAGE FLUENCY

English: Native  
Spanish: Advanced

## LINKEDIN

<https://www.linkedin.com/in/kimberly-epstein/>

## GITHUB

<https://github.com/kepstein23>

## EXPERIENCE

May 2022 – Present

**Software Engineering Research Assistant** • D. Watts Computational Social Science Lab, UPenn

- Design, prototype, and implement researcher portal to facilitate a collaborative effort to develop predictive algorithms related to polarization interventions for group online deliberations using Figma and Next.js
- Develop and manage lab infrastructure in AWS and Terraform Cloud
- Create deliberation experiment platform using the Empirica framework in Node.js and React
- Work with research team to make design decisions that prioritize feasibility against consumer needs

July 2023 - Present

**Independent Technical Consultant** • Stanford University Graduate School of Business

- Advise project architecture and design, utilizing expertise in Empirica, JavaScript, and React
- Migrate project from class-based React to functional-base React

August 2022 – September 2023

**Independent Technical Consultant / Full-Stack Developer** • MIT Networks & Reputations Project

- Updated and expanded participant interface in React and JavaScript for Networks and Reputations Project
- Processed data from 200 participants to extract meaningful behavior patterns
- Implemented bots that mimic previous data to reduce costs and optimize efficiency

June 2022 – July 2023

**Computer Science Teaching Assistant** • CIS 5730, CIS 3500

- Assisted teaching undergrad and grad courses focusing on full-stack development, refactoring, and testing
- Performed project manager duties for teams developing web and mobile applications in React

March 2021 – September 2021

**Research Intern** • Institute for Human Machine Cognition

- Processed and compiled data from over 400 twitter users using Python
- Designed, implemented, and ran survey to collect data related to COVID-19 tweet credibility
- Used MTurk survey software to efficiently gather data from 200+ participants

## PROJECTS

**SkillScout** • CIS 3999: Human-Computer Interaction

- Ideated, designed, and prototyped search-based application to help small organizations internally connect with individuals possessing particular skill sets using Figma, JavaScript, CSS, and React
- Developed and presented product pitch and professional demo at Penn design fair

**Deliberation Behavioral Coding Tool Independent Study** • D. Watts CSS Lab, UPenn

- Designed and implemented tool in Empirica and React to facilitate live behavioral coding of video data
- Conducted literature review related to behavioral coding best practices for deliberation research

## CAMPUS LEADERSHIP

September 2020 - Present

**Treasurer, Committee Director** • Penn Student Government, SPEC

- Manage and distribute budget of \$1.3M to support and plan internal and external events
- Chair funding board, distributing \$10K weekly to student groups across campus
- Spearhead co-sponsorship process revision, updating constitution to reflect adjustments
- Communicate with Penn administration, expressing student needs and facilitating improvements to policies

September 2021 - Present

**Academics Chair** • Penn Zeta Tau Alpha Fraternity

- Plan and facilitate alumni career panel, providing advice to new members on recruiting and career journeys
- Pioneer Academic Mentorship Program for new members to receive academic support through their chapter
- Work with recruitment team to interview over 500 women for placement in sorority

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, C, HTML, CSS, R
- **Technologies:** Next.js, Node.js, React, React Native, JUnit, Figma, AWS, Cypress, Terraform, Docker
- **Software:** Git, Travis CI, GitHub Actions, Terraform Cloud, MongoDB, Figma
- **Development Techniques:** Agile, RESTful API, Continuous Integration, Test-driven development, Full-stack/Front-end/Back-end development, UX/UI Design, DevOps