

# SONAM WANGCHUK

New Haven, Connecticut - [sonam.wangchuk@yale.edu](mailto:sonam.wangchuk@yale.edu) - 475-227-4835 - [Website](#)

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## EDUCATION

**Yale University** - New Haven, CT

Expected Graduation- May 2026

*BA in Computer Science and Psychology & BS in Statistics and Data Science*

**Honors:** F. Wilder Bellamy Jr. Memorial Prize, Henry James TenEyck Prize, Directed Studies Peer Award

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## TECHNICAL SKILLS

- **Languages & Tools:** Python, R, C, C++, SQL, GDscript, MATLAB, HTML/CSS
  - **Data & Analysis:** Statistical multiparameter modeling, data visualization, experimental design
  - **Web & Game Development:** Familiar with front-end web development and game design using Godot (GDscript)
  - **Soft Skills:** Strong computational foundation; quick and enthusiastic learner
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## RELEVANT EXPERIENCE

### Research Assistant

*Rutledge Lab, Yale University - New Haven, CT*

(January 2025 – Present)

- Analyzing neural and behavioral data on decision-making and dopamine's role in gambling tendencies for Parkinson's patients, integrating MATLAB and R for statistical analysis and visualization.
- Developed hypotheses grounded in extensive literature reviews, contributing to ongoing computational models of behavior.
- Presented findings in lab meetings, refining analyses through collaborative feedback.

### Undergraduate Research Assistant

*Affective Science and Culture Lab, Yale University - New Haven, CT*

(October 2024 – June 2025)

- Conducted psychophysiological experiments using sensors to collect heart rate and skin conductance data
- Managed database of over 200 participants; ensured data accuracy and integrity
- Applied Python for data visualization and report preparation

### Lead Outreach Coordinator

*Yale Summer Session - Yale University - New Haven, CT*

(August 2023 – Present)

- Led strategic initiatives that boosted student engagement by over 700%, reaching a diverse audience through data driven outreach strategies
  - Spearheaded the redesign of 40+ webpages, enhancing UX and UI and digital interaction, integrating programming and content strategy
  - Achieved 5K+ social media impressions, leveraging digital tools to connect audiences and promote events
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## ADDITIONAL PROJECTS AND EXPERIENCES

*Independent Video Game Developer - New Haven, CT*

- Working on developing a top-down horror strategy game using Godot.
- Managed and created hundreds of visual assets and code files, consistently integrating user advice

*Varsity Debater and Coach - New Haven, CT*

- Active successful varsity debater as a member of the Yale Debate Association. Top speaker and champion at multiple competitive tournaments
- Privately coached 2 high school students weekly on intermediate debate techniques

*APDA Speaker Points Visualizer - New Haven, CT*

- Collected, filtered, and processed hundreds of speaker tabs in order to analyze speaker point inflation in American Parliamentary Debate, creating a [shiny app](#) to dynamically display it