

# Aranyo Ray (he/him)

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\*resume has links in bold

## EDUCATION

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**Yale University** Expected Graduation: May 2025

**B.S. in Computer Science and Psychology, Mathematics**, Energy Studies Certificate; **GPA: 3.91 / 4.00**

**Relevant coursework:** Energy, Engines, & Climate, Data Structures, Algorithms (Intensive), Theory of Statistics, Intermediate Microecon, Human Brain, Discrete Mathematics, Real Analysis, Probability Theory

## WORK EXPERIENCES

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**Bain and Company, Dallas**, *Associate Consultant Intern* May - July 2024

- Analyzed operational data for EV company; presented 22-pg report w actionable insights to senior execs

**Implicit Social Cognition Lab**, *Lab Manager and Programmer* Sep 2022 - Present

- Oversee research activity & communications and conduct lab and petty cash audits; develop data pipeline
- Liaise with 20+ faculty, postdocs, graduate, and undergraduate students on 8 ongoing projects
- Code web-based psych experiments using JavaScript, PHP, shell scripts, and Python; analyze with R, Python

**Yale Undergraduate Consulting Group Inc.**, *Project Manager, Client Recruiter* Aug 2021 - Present

- Directly worked w/ Google's Chief Evangelist on a data mining and transformation project
- Modeling app usage data for ESG best practices at Fortune 100 banking & financial services company
- Identified 3 consumer archetypes to inform go-to-market strategy for plant-based meat company
- Developed actionable recommendations for productivity startup entering the mental health industry
- Contacted 40+ professionals via ~200 emails & 18 meetings to source 5+ F500 clients per semester

**CS201: Introduction to Information Systems**, *Head Teaching Assistant* Sep 2022 - Jan 2024

- Lead a team of 12 Teaching Assistants to guide 200+ students with recursion, Turing machines, Boolean logic, complexity, algorithm design, AI, and other functional programming topics

**CAMS Lab**, *Undergraduate Research Assistant* Dec 2021 – Dec 2022

- Helped run an NIAAA-funded 72-participant ecological momentary assessment (EMA) research study
- Coded and collected behavioral data from 92 Qualtrics forms and ~13,000 Metricwire surveys
- Built linear mixed effects models in R to link stress, alcohol use, interoception, and episodic memory

**Reservoir Neurodiversity Consultants**, *Research Intern* May - Aug 2021

- Researched 45+ marketing materials on DEI; increased social media impressions by 76% (9500+)
- Secured funding of \$20,000 from Google for AI Accelerator and MIT Solve

**Summer Science Program at Purdue University**, *Computational Bio Researcher* Jun - Jul 2020

- Selective research program (10% accepted) co-sponsored by MIT, Caltech, and Harvey Mudd
- Characterized fungal pathogen and designed novel enzyme inhibitor with 89% efficiency
- Generated 22-page scientific report with 2 peer researchers and presented to Purdue professors

## HONORS AND AWARDS

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- **Wu Tsai Institute Undergrad Fellow 2023**, Yale University
- **First Place**, Yale Effective Altruism Estimathon 2021 (as Yale Effective Altruism Fellow)
- **Recipient**, Diana Award 2021
- **First Place by American Psychological Assoc** and **Fourth Grand Award**, Book Award by **American Statistical Assoc**, Regeneron International Science and Engineering Fair (ISEF) 2021
- **Ashoka Young Changemaker 2020**, Ashoka

## SKILLS

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**Languages:** R, Stata, Python, C++, JS, React, Node.js, Kotlin, HTML/CSS, PHP, Bengali (native), Hindi

**Skills:** AndroidStudio, MongoDB, Wolfram, AWS, Photoshop, Illustrator, Premiere Pro, After Effects

**Relevant projects:** [NanoCide](#), [Autest](#), [Denotia](#)