# Can Kam

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## EDUCATION

**Dartmouth College**, Hanover, NH, USA                                                                                            **June 2027**
*Bachelor of Arts, Major in* Neuroscience *and* Biological Chemistry, *Minor in* Music:                                **GPA: 3.61/4.00**
Relevant Coursework: Cellular & Molecular Neuroscience, Behavioral Neuroscience/Psychology, Neuromarketing, Cellular Biology, Biochemistry, Intro to Neuroscience, Organic Chemistry, General Chemistry, Mechanics, Statistics, Calculus, Music, Health, Equity, & Culture

**University of Oxford,** *Trinity College*, Oxford, UK                                                       **January 2026 - March 2026**
Coursework: Enzymes, Neuropharmacology and Neurodegenerative Diseases

**Uskudar American Academy High School**, Istanbul, Turkey                                                               **June 2023**
Honors/Awards: Silver Medal at International British Biology Olympiad (BBO)                   **GPA: 96.11/100 | IB Diploma Grade: 42/45**
Activities: President of Music Club, Neuroscience Club, and Health and Medicine Club

## RESEARCH & WORK EXPERIENCE

**Novartis**, Istanbul, Turkey                                                                                                  **December 2025**
*Clinical Operations Intern*
- Evaluated SOPs and GCP compliance across active study protocols, identifying documentation gaps to strengthen quality control and regulatory alignment
- Executed pharmacovigilance workflows - adverse event collection, data entry, medical evaluation, and regulatory submission - ensuring timely case processing
- Monitored safety signals and mapped trial documentation flow across clinical operations, supporting systematic oversight and data management

**Yeh Lab at Dartmouth Geisel School of Medicine**, Hanover, NH, USA                                        **June 2025 - Current**
*Undergraduate Research Assistant*
- Processed 1,000+ biological tissue sections following standardized immunohistochemistry protocols to assess prenatal alcohol exposure's impact on Alzheimer's disease pathology, ensuring data integrity and reproducibility
- Quantified γ-secretase activity and protein biomarkers across 500+ samples via Western blotting (SDS-PAGE, BCA), maintaining documentation and quality control using ImageJ-Fiji

**Dartmouth Initiative for Research on Energy Communication Transformation (DIRECT) Lab**, Hanover, NH, USA          **March 2025 - Current**
*Undergraduate Research Assistant*
- Designed a 2×3×2 factorial study examining how emotional framing influences sustainable consumer behavior, integrating EEG, eye-tracking, and GSR
- Processed multi-modal physiological data across 150 participants, performing quality checks and verification to ensure data integrity
- Developed a Hidden Markov Model in Python predicting behavioral state transitions, conducting factorial ANOVA and moderation analyses

**Dartmouth Social Identity and Dialogue (SID) Lab**, Hanover, NH, USA                            **September 2024 - September 2025**
*Undergraduate Research Assistant*
- Analyzed multi-modal data (audio, video, BIOPAC heart rate/respiration) from 50+ interracial mentoring conversations, identifying anxiety-related behavioral cues and stress patterns
- Conducted ANOVA and regression in Excel to quantify emotion's impact on conversation quality, contributing to manuscript on anxiety in intergroup dialogue

**Florence Nightingale Hospital**, Istanbul, Turkey                                                   **August 2024 - September 2024**
*Shadowing Intern*
- Supported 20+ diagnostic case reviews by interpreting multi-modal clinical imaging (CT, MRI, EEG) across neurodegenerative and epilepsy cases, gaining exposure to pharmacotherapeutic protocols and treatment documentation
- Observed pre/post-operative consultations and neurological examinations, developing understanding of clinical workflows, patient safety procedures, and interdisciplinary care coordination for 50+ patients

## LEADERSHIP & SERVICE

**American Lung Cancer Screening Initiative (ALCSI)**, Hanover, NH, USA                                       **May 2025 - Current**
*Chapter President*
- Founded Dartmouth's chapter of a national non-profit, mobilizing 10+ volunteers and partnering with Dartmouth Hitchcock Medical Center to expand lung cancer screening for high-risk individuals
- Directed outreach events addressing lung cancer disparities, delivering early detection education and screening resources to high-risk populations across the New England region

## PUBLICATIONS

**Neural and Partisan Dynamics of "Warm Glow" Influence on Pro-Environmental Behavior: A Multimodal Review**          **September 2025**
*CSU Journal of Sustainability and Climate Change (manuscript under review; submitted September, 2025)*
- Synthesized 40+ peer-reviewed sources on neural, behavioral, and political factors influencing consumer decision-making

**Neuroscience Handbook - Neuroscience 101, Caretta Books, 1st ed.**                                             **November 2022**
- Authored and published an illustrated primer translating complex neuroscience into accessible language for a general audience

## SKILLS & CERTIFICATIONS

- **Data Analysis & Documentation:** Python, R, MATLAB, Stata, Excel, Qualtrics, Microsoft Office, ImageJ-Fiji; experienced in statistical analysis (ANOVA, regression), data integrity management, and technical report writing
- **Regulatory & Compliance:** GCP fundamentals, SOP review, pharmacovigilance workflows (adverse event reporting, safety signal tracking), CITI Program – Group 2: Social/Behavioral Research (Aug 2024 – Aug 2027; ID 64434490)
- **Laboratory Techniques:** Western Blotting, Immunohistochemistry (IHC), PCR, SDS-PAGE, BCA/Bradford Assay, Gel Electrophoresis, Differential Centrifugation, Microscopy (Confocal, Fluorescence, Phase Contrast)
- **Analytical Instrumentation:** GC-MS, NMR (1D/2D $^1$H/$^{13}$C), IR & UV-Vis Spectroscopy, Chromatography (Affinity, Ion Exchange, Gel Filtration, Column, TLC), Cryo-EM, X-ray Crystallography