Can Kam

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LinkedIn Profile · Web Portfolio

EDUCATION

Dartmouth College, Hanover, NH, USA   **June, 2027**
Bachelor of Arts, Major in Biological Chemistry *and* Neuroscience: **GPA 3.53/4.00**
Relevant Coursework: Calculus, General Chemistry, Organic Chemistry, Intro to Neuroscience, Statistics, Cellular Biology, Cellular & Molecular Neuroscience, Behavioral Neuroscience/Psychology, Neuromarketing, Biochemistry

Uskudar American Academy High School, Istanbul, Turkey   **June, 2023**
Turkish High School Diploma and *International Baccalaureate Diploma*:   **GPA 96.11/100, 42/45**
Honors/Awards: International British Biology Olympiad (BBO): Silver Medal, George Ripley Tracey Academic Excellence Award
Activities: JHU - Neurobiology: Cellular and Behavioral (4.00/4.00), and Harvard College - The Nature of Illness in Humans and Other Animals (4.00/4.00), President of Music, Neuroscience, and Health and Medicine Clubs

RESEARCH EXPERIENCE

Dartmouth Climate Communications Strategy Collective (DIRECT) Lab, Hanover, NH, USA   **March, 2025**
Undergraduate Research Assistant
- Designing and executing a 3×3×2 between-subjects study comparing warm-glow induction, neutral control, and placebo groups; capturing real-time neural, attentional, and physiological responses (EEG, eye-tracking, GSR, layered voice analysis, sentiment) to sustainability messages; and building a Hidden Markov Model integrating message framing, political ideology, and warm-glow intensity to predict shifts toward high-effort eco-behaviors.

Dartmouth Social Identity and Dialogue (SID) Lab, Hanover, NH, USA   **September, 2024**
Undergraduate Research Assistant
- Processing, editing, and analyzing physiological (respiration and heart rate) and visual/auditory data and for the research "The role of anxiety in race talk and interracial relationships."

Dartmouth Contextual Dynamics Lab, Hanover, NH, USA   **September 2024**
Undergraduate Research Assistant
- Working on the project on forgetting where working on processing of fMRI data and trying to get these data processable and conduct research on the processed data through the topics "Directed forgetting · Context · Episodic memory · fMRI."

Acibadem University Engineering Faculty, Istanbul, Turkey   **February, 2022 - May, 2022**
Research Assistant
- Covered topics in neuroscience such as decision-making and emotional processing in the brain; gained hands-on experience in analyzing and interpreting fNIRS and fMRI data; conducted cognitive tests such as the "n-back" and interpreted statistical significance in the data.

WORK EXPERIENCE

Florence Nightingale Hospital Internship, Istanbul, Turkey   **August, 2024 - September, 2024**
- Learned how to take medical history, conduct neurology based physical examination, examine CT, MRI, EEG, EMG, and X-RAY scans, and prescribe drugs to patients with severe pain, neurodegenerative diseases, spinal cord injuries, and epileptic problems.
- Visited different patients that are post/pre-op and joined into neurological consultations.

Acibadem University Hospital Internship, Istanbul, Turkey   **August, 2021 - September, 2022**
- Gained experience in the differential diagnosis of neurodegenerative diseases, specifically Alzheimer's, and post-patient examinations; worked on literature reviews and papers on Alzheimer's disease's diagnosis.

PUBLICATIONS & PROJECTS

- **Book:** Neuroscience Handbook - Neuroscience 101   **2020 - 2022**
- **Paper 1:** An Examination of The Effectiveness and Efficiency of EMDR Therapy on PTSD Patients   **2022**
- **Paper 2:** Determination of Caffeine Concentrations In 5 Different Coffee Beans With UV/Vis Spectrophotometer **2022**
- **Paper 3:** The Comparison of Respirator, Surgical, and Cloth Mask Regarding Their Protective Abilities Against Airborne Particles **2022**

SKILLS & CERTIFICATIONS

- **Computer:** MATLAB and Python
- **Lab Skills:** Analytical & separation techniques (UV/Vis & fluorescence spectrophotometry; IR/NMR spectroscopy (sample prep); thin-layer & column chromatography; HPLC; GC–MS sample preparation), classical preparative methods (acid–base titration; solution & buffer formulation; rotary evaporation; vacuum filtration; recrystallization), molecular & biochemical assays (SDS-PAGE & agarose gel electrophoresis; Western blotting; enzyme-kinetics assays; PCR/qPCR)
- **Certifications:** CITI Program – Group 2: Social/Behavioral Research (Aug 2024 – Aug 2027; ID 64434490)
- **Languages:** Turkish; English; German