Tibet Yakut

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EDUCATION

University of California, Berkeley - *Bachelor of Arts, Data Science and Philosophy*   **Expected Graduation: May 2027**
- **Coursework:** Human Contexts & Ethics of Data, Discrete Mathematics and Probability Theory, Data Structures, Linear Algebra and Differential Equations, Structure and Interpretation of Computer Programs, Data Analytics & Visualization, Intro to Logic
- **Organizations:** REVERB (President), Turkish Student Association (Co-President), DataGood (Senior Advisor), Kappa Alpha Order Fraternity Member

WORK EXPERIENCE

Data C104 Course Staff, UC Berkeley - *Reader Position*   **August 2025 - Present**
- Grade ~50 student quizzes weekly and evaluate midterm/final exams for Data C104 Human Contexts and Ethics of Data Science.
- Collaborate weekly with instructors and fellow readers to ensure consistent grading standards and course content alignment.

Opnova, Palo Alto, CA - *Internship*   **May 2025 – August 2025**
- Evaluated company's AI agent product by building an evaluation benchmark of 1000+ test cases, reporting to Chief AI Officer.
- Achieved 87.37% model accuracy across full evaluation suite and identified improvement opportunities.
- Built "DevTools", a custom 12-script command-line interface that automated evaluation workflow, cut time from days to hours.
- Integrated Claude 3.5, 3.7, and 4.0 APIs to enable cross-model comparisons for product evaluation.

Teladoc Health, Purchase, NY **-** *Internship*   **May 2023 – June 2023**
- Applied SQL and LSTM time-series forecasting methods while shadowing the Data Science team.
- Created and presented 12-slide strategic presentation on GenAI applications and digital health innovation to C-Suite executives.

PROJECTS / RESEARCH

Spam & Ham   **November 2024**
- Developed a logistic regression model using Python to classify emails as spam or legitimate (ham), using feature extraction and text preprocessing techniques; achieved strong accuracy and interpretability.

Natural Disaster Research   **May - August 2024**
- Evaluated GPT-4o and Llama 3.1 for disaster response tasks; compared prompt engineering, retrieval-augmented generation (RAG), and fine-tuning to identify performance gaps and deployment trade-offs.

Build Your Own World (BYOW Game)   **April 2024**
- Developed UI and back-end for a 2D tile-based world exploration engine in Java; implemented disjoint sets (Union-Find) for map generation and state persistence; used GitHub for continuous integration.

Ngordnet (Ngrams, Wordnet)   **March 2024**
- Developed Java packages for exploring the history of word usage in English texts. Used graphs, hashmaps, and graph algorithms to analyze relations between words efficiently. Designed automated tests, used GitHub for version control.

Waste Classification   **November 2023**
- Trained a CNN using TensorFlow Keras and Sci-kit Learn on a 21K+ waste image dataset with 10 categories; ~70% accuracy.

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

REVERB Music Group, UC Berkeley - *President*   **December 2024 – Present**
- Lead UC Berkeley's premier music production community; host showcases, teach DJ and production workshops, and bring industry speakers.

DataGood (Data Science + Social Good), UC Berkeley - *Senior Advisor & Former President*   **September 2023 – Present**
- Advise club research projects and members; oversaw recruitment and lead social-good initiatives; waste classification project.

Young Cultural Ambassadors Program (YCAP) at ATADC - *Leader/Advisor*   **September 2021 – June 2023**
- Selected as one of 15 Turkish-American cultural ambassadors; collaborated with local government; coordinated award-winning "20th Annual Turkish Festival" in Washington, D.C.; currently mentor new members.

Hudson Scholars, Hackley School - *Mentor*   **September 2021 – June 2023**
- Tutored and mentored low-income middle-school students in Tarrytown, NY, helping them grow academically and personally.

Bridge to Turkiye Fund (BTF) - *Volunteer*   **September 2016 – June 2023**
- Organized fundraisers supporting STEM education for underprivileged children; raised $5,000+ for earthquake relief in Turkiye.

SKILLS & INTERESTS

- **Technical Skills:** Agentic AI, Hugging Face, LLMs, Pandas, Matplotlib, Seaborn, Sci-kit learn, TensorFlow, SQL, GitHub
- **Programming Languages:** Python, Java, Javascript, HTML
- **Awards:** Cal Alumni Association - The Leadership Award, 2022-2023, Russ Hogg - Creative Expression Grant, Turks Without Borders - Future Leaders Award, Model United Nations - Outstanding Delegate Award