Tibet Yakut

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EDUCATION

University of California, Berkeley   **Expected Graduation: May 2027**

Bachelor of Arts, Intended Computer Science and Philosophy   Berkeley, CA

- **Coursework:** Discrete Mathematics and Probability Theory, Data Structures, Linear Algebra and Differential Equations, Structure and Interpretation of Computer Programs, Data Analytics & Visualization, Foundations of Data Science, Intro to Logic, Calculus
- **Organizations:** DataGood (EVP, Data Science for Social Good), Turkish Student Association (Co-Head of Operations)

WORK EXPERIENCE

Teladoc Health - *Remote Internship*   **May 2023 – June 2023**

- Worked as part of the Data Science team and learned basics of SQL and how LSTM works with time-series forecasting.
- Shadowed team members and got an insight into the Project Manager's role.
- Developed a 12-slide presentation on the future of Teladoc and GenAI to C-Suite executives and team members.

PROJECTS / RESEARCH

Natural Disaster Research   **May - August 2024**

- Conducted research and identified gaps in natural disaster response efforts. Compared the outcomes of natural disaster assistance using LLMs, prompt engineering, RAG, and fine-tuning techniques. Used GPT-4o and Llama 3.1 models.

Build Your Own World (BYOW Game)   **April 2024**

- Developed UI and back-end for a 2D tile-based world exploration engine in Java. Experienced full SDLC. Utilized data structures including disjoint sets (Union Find), maintained persistence across several game states. Used GitHub for continuous integration.

Ngordnet (Ngrams, Wordnet)   **March 2024**

- Developed Java packages for exploring the history of word usage in English texts. Used several data structures, including graphs, hashmaps, and graph algorithms to analyze relations between words efficiently. Developed automated tests, used GitHub for CI.

Waste Classification   **November 2023**

- Utilized Python TensorFlow Keras and Sci-kit Learn on a 21,915-image waste dataset, developing a convolutional neural network with approximately 70% accuracy in waste classification across 10 categories.

Age and Gender Detection   **May 2023**

- Applied Python OpenCV computer vision and blob detection to identify the age and gender of a person with around 70% accuracy.

Credit Card Fraud Detection   **April 2023**

- Leveraged Python Sci-kit Learn and Random Forest Classification to train a model that identifies fraudulent credit card transactions with a 99.95% accuracy.

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

DataGood (Data Science + Social Good) @ Berkeley – *Executive Vice President*   **September 2023 – Present**

- Organized club socials & retreat; weekly executive team planning; recruited new members; waste classification project.

Young Cultural Ambassadors Program (YCAP) - *Leader/Advisor*   **September 2021 – June 2023**

- Chosen as one of 15 students as a cultural ambassador for the Turkish-American community (ATADC); interacted with local government, coordinated award-winning "20th Annual Turkish Festival" in Washington, D.C.; now advising new YCAP members.

Hudson Scholars *- Mentor*   **September 2021 – June 2023**

- Mentored low-income middle-school students in Westchester, NY, and volunteered in summers to teach classes.

Students for Refugees Club - *Co-Founder + Co-President*   **September 2021 – June 2023**

- Partnered with Hearts & Homes for Refugees to help place Afghan & Syrian refugees into homes and provide necessities.

Turks Without Borders (TWB) *- Tutor*   **September 2021 – June 2022**

- Aided 16+ Turkish high-school students to learn English via weekly 1-hour video conversations; received Future Leaders Award.

Chess Club - *Co-Founder + Co-President*   **September 2020 – June 2023**

- Taught middle & lower school students to play chess (16 classes/year). Wrote a book on chess with Creative Expression Grant.

Bridge to Turkiye Fund (BTF) *- Volunteer*   **September 2016 – June 2023**

- Organized multiple fundraisers to support STEM education for children in underprivileged areas and for earthquake relief in Turkiye, raising over $5,000 for immediate relief.

SKILLS & INTERESTS

- **Technical Skills:** Pandas, Matplotlib, Seaborn, Sci-kit learn, TensorFlow, SQL, GitHub, Hugging Face, LLMs
- **Programming Languages:** Python, Java, Javascript
- **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