Bora Uyumazturk

1128 Halsey St, Brooklyn, NY 11207

✉ bora.uyumazturk@gmail.com https://bora-uyumazturk.github.io +1 (202) 413-6765

Education

Stanford University, *Stanford, CA*
Master of Science in Computer Science (Specialization in Artificial Intelligence) *Sept. 2019 – Mar. 2020*
GPA: 4.09 / 4.00

Stanford University, *Stanford, CA*
Bachelor of Science in Mathematics *Sept. 2015 – Jun. 2019*
GPA: 4.03 / 4.00
Honors: Phi Beta Kappa, Graduated with Distinction

Work

Viaduct, *Menlo Park, CA*
Director of Product, Viaduct Manufacturing *Dec. 2025 – Present.*

- Leading team of 25 across engineering, design, and customer success to deliver Viaduct Manufacturing, a software platform to improve productivity at manufacturing organization using intelligence and automation, powered by AI.
- Launched product at multiple Fortune 100 companies, overseeing complex data integrations, developing training material, and delivering remote and in-person workshops to hundreds of manufacturing employees across operations, quality, and maintenance departments.
- Developed self-service data platform to streamline onboarding for any discrete manufacturing organization.
- Developed and launches AI agent for manufacturing, complete with chat and automation via directives.
- Developed and launched agentic repair guidance use case at Sumitomo Rubber's Miyazaki plant in just 3 months, assisintg on over 400 repairs to date.
- Driving product development from 0 to 1, including 1) finding customer needs and pain points, 2) conceptualizing user journeys, 3) prototyping and iterating on user experience design, 4) leading technical design discussions, 5) shipping, 6) iterating in response to feedback.
- Viaduct was acquired by Sumitomo Rubber Industries in this period.

Principal Product Manager *Jun. 2024 – Dec. 2025*

- Relaunched product to target all manufacturers, not just automotive. Overhauled algorithms to operate on any text data including in field claims, in-plant defects, and sensor data. Redefined ICPs, simplified UI, and updated marketing materials.

Senior Product Manager *Aug. 2022 – Jun. 2024*

- Identified and pursued new market opportunity in automotive quality. Developed MVP, acquired lighthouse customer, and generated marketing collateral, summarized in this whitepaper.

Product Manager *July. 2021 – Aug. 2022*

- Based on experience from consulting engagements, led team of 3 to develop Viaduct's failure mode engine, a scalable framework for developing VIN-level predictive model for optimized service campaigns, supporting customers such as PACCAR.

Machine Learning Engineer *Apr. 2020 – July. 2021*

- Implemented transformer-baed embeddings for high dimensional, discrete sensor data using Tensorflow, improving model performance across clients by 20%.
- Started company front-end component library and set up storybook for visual inspection and jest for unit testing. Established and documented approach for creating custom charts using React and d3.

deeplearning.ai, *Palo Alto, CA*
Head Teaching Assistant (full-time for first 3 months, then 20 hours / week) *Jun. 2019 – Apr. 2020*

- Head teaching assistant for AI for Medicine Specialization on Coursera.
- Developed assignments and lessons which have reached more than 100,000 learners.
- Covered topics such as CNNs, U-Net, survival analysis, Cox proportional hazards, random forests, among others.

On the Side

Painting *July. 2022 – Present.*

- Exhibited at Hampstead Art Society's 2025 Summer Exhibition in London, one of fewer than 100 works accepted out of more than 3000 submissions.
- Exhibited at Foundry Gallery as part of 2023 and 2025 Regional Juried Group Shows.
- Taught two painting workshops to art students St. Alban's School and National Cathedral School in Washington D.C.

A Deep Learning Assistant for Cancer Subtype Classification (published in *npj Digital Medicine*) *Sept. 2018 – Apr. 2019*

- Developed and validated a deep learning powered diagnostic assistant to help pathologists differentiate between subtypes of liver cancer. Created python library for sampling from annotations of whole slide pathology images. Present extended abstract at ML4H conference at NIPS 2019. Cited over 300 times.

Websites (coded the old-fashioned way) *July. 2021*

- flipsite: A business-card inspired personal website layout (using myself as an example). Uses react-spring to implement gesture-based navigation (`github.com/bora-uyumazturk/flipsite`).
- leading-pharmacy-chain-vax-map.net: A playful redesign of the CVS coronavirus vaccine website website. Built using next.js, mapbox, tailwind, and github-actions (`github.com/bora-uyumazturk/vaccine-availability-ui`).

Consequences of Social Risk in Small Deliberative Democracies (presented at *RadicalxChange 2019*) *Sept. 2019*

- Analyzed the voting behavior of individuals participating in public, consensus voting schemes from a game theoretic perspective. We presented a model of public voting incorporating social pressures, showing the existence of untruthful equilibria. Compared qualitative predictions from model with empirical evidence from Stanford co-op.

Programming Languages and Frameworks I've Used: C, Go, Elixir, Javascript, HTML, SQL
Human Languages I've Used: Turkish, English, Italian, Spanish