Şan Ozan Akdağ

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Experience:

- *Quality Development Engineer – InterSystems Corporation . . . . . Feb. 2020 – Present*
  - Automated regression testing for daily builds of the product; allows for per-release tests to be run daily
  - Migrated legacy build verification code from MUMPS routines to automatable Objectscript modules
  - Created a version upgrade test that ensures all supported upgrades are successful for a candidate release build via deployment of increasingly-complex configurations of the product.
  - Hosted multiple new hires/interns; oversaw projects for their rotations in the Quality Development department.
- *Teaching Assistant – Tufts University Department of Computer Science . . . . . 2019 – 2020*
  - COMP170, Computation Theory - Graded assignments/exams; held office hours/weekly recitation.
- *Resident Assistant – Tufts University Office of Residential Life and Learning . . . . . 2016 – 2017*
  - Oversaw 2 floors of first years; held regular events and conducted weekend on-duty walkthroughs.
- *Freelance Production Assistant/Set Dresser – TV/Film Industry . . . . . 2015 – 2019*

Education:

- *Tufts University, Medford/Somerville, MA . . . . . Feb. 2019 – Feb. 2020*
  - Master of Science – Computer Science – GPA 3.53
  - Relevant Coursework: Networks, Operating Systems, Cryptography, AI, Reinforcement Learning, Privacy in the Digital Age
- *Tufts University, Medford/Somerville MA . . . . . Sept. 2015 – Feb. 2019*
  - Bachelor of Arts – Political Science, Computer Science – GPA 3.42
  - Relevant Coursework: Data Structures, Algorithms, Programming Languages, Assembly Language and Machine Structure, Cyber Security, Information Politics, Cyberlaw and Cyberpolicy, Cryptography
- *Goldsmiths, University of London – Direct Enrollment . . . . . Spring Term 2018*
- *Boğaziçi Üniversitesi, Istanbul, Turkey – Direct Enrollment . . . . . Summer Term 2016*

Projects:

- *"Dwelling on Turnout"*
  - Used python to geocode the Brookline, MA voter file; conducted a study on the "neighborhood effect". The study found that among house-dwellers, those who vote more often tend to live in tighter groups compared to their less-frequently-voting and/or apartment-dwelling counterparts. Used ArcGIS and ArcPy to create different maps of Brookline based on voter participation and dwelling type (house or apartment)
- *SSL Web Proxy*
  - COMP112 (Networks) final project - Written in C and incorporates multiplexing, caching, and SSL tunneling.
- *"Tufts RMPScrape"*
  - Web-scraped all RateMyProfessors.com reviews of Tufts professors to investigate student bias. Automatedly web-scraped reviews using Selenium and analyzed them based on rating (1-5 stars) and keyword frequency.

Skills & Interests:

- *Programming/command language experience includes, but is not limited to…*
  - C, C++, Python, M, ObjectScript, Bash
- *Experience with tools for…*
  - Web – SCAPY, Selenium
  - AI – built and trained ANNs and RL agents
  - NLP – NLTK, Word2Vec
  - Deployment – Docker, Portainer, Perforce, Swarm
- *Misc.*
  - Proficient in Turkish and Spanish
  - Interested in electric vehicles, cryptography, decentralization
  - Listens to 93.9 WNYC and 88.3 WBGO daily