

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 daily regression testing where previously manual testing was done on quarterly-release basis.
 - Migrated legacy build verification code from MUMPS routines to automatable ObjectScript modules
 - Created an automated test that ensures all supported upgrades to an upcoming release are safe
 - Hosted multiple new hires/interns; oversaw projects for their rotations on my team
- *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, Artificial Intelligence, 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 Technology and Political Power, 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 Brookline, MA voting data; 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 maps of Brookline based on voter participation and dwelling type
- *SSL Web Proxy*
 - Written in C; incorporates multiplexing, caching, and SSL tunneling. Final project for Networks
- *“Tufts RMPScrape”*
 - Web-scraped all RateMyProfessors.com reviews of Tufts professors to investigate student bias.
 - Automatically 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
 - Enterprise – Docker, Portainer, Perforce, Swarm
- *Misc.*
 - Proficient in Spanish and Turkish
 - Interested in (electric) cars, music, privacy, decentralization
 - Daily listener and supporter of 93.9 FM WNYC and 88.3FM WBGO