ATA TUZUNER

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2019-2024
University of Toronto, B.A.Sc. in Engineering Science, Electrical and Computer Engineering

cGPA: 3.81 ◊ Dean's List Honoree − 6 Semesters ◊ AI minor ◊ Entrepreneurship Certificate ◊ 14 months Co-op

Skills

Python • C • Perl • JavaScript • Html • React Native • Expo • Docker • Test-Driven Development • Django • Flask • PyTorch • NumPy • Scikit-learn • Git • GitHub • Assembly • MATLAB/Simulink • Unix

Relevant Coursework

Algorithms and Data structure • Foundations of Computing • Systems Software • Software Engineering • Computer Security • Intro to Artificial Intelligence • Intro to Machine Learning • Applied Fundamentals of Deep Learning

EXPERIENCE

Intel Corporation, Serializer/Deserializer Environment Team   *May 2022 − July 2023*

- Developed a weekly reporting tool which reports the resources each user has requested from our job servers in JavaScript, Html and Css.
- Streamlined design tools and automated checks for user experience.
- Implemented and maintained Machine Learning models (Random Forest Regressor) and databases for predicting job resources in Python and Perl.

Intel Corporation, Serializer/Deserializer Layout Design Team   *October 2022 − July 2023*

- Designed 20+ layout blocks according to schematic specifications and layout organization constraints using Cadence Virtuoso.
- Debugged and synchronized layout blocks passed over from our global contributors.

Sheer − Social Networking Platform, Co-founder & CTO   *June 2020 − Present*

- Founded a social networking platform where people can meet, in groups, according to their interests and hobbies.
- Developed the front-end of our mobile application using React Native and the Expo framework.
- Lead the software team to produce state-of-the-art programs while meeting deadlines.
- Facilitated planning for partner meetings and synchronization on team progress.

Politivector − Political inclination discovery website, Co-founder   *July 2021 − Present*

- Founded a website that informs users about their political inclinations using a set of questions.
- Supervised the UI/UX design, Front-End development, testing and optimization of the website.
- Currently implementing methods of gathering user data and producing statistics.

ENGINEERING PROJECTS

User-Level Thread Package: Developed a multi-threaded C library that schedules thread execution using a pre-emptive approach.

Events hub (In progress): Developing an online bulletin board that gathers all University of Toronto events for its students and staff to view.

Thesis (In progress): Researching ways to employ Deep Learning to detect deepfake content with high accuracy.

Natural Language Processing: Deployed an n-gram model to generate authentic speech using input from a given passage.

Snake AI: Implemented greedy algorithm to maximize the points in minimum time in the game of Snake.

TEAM & LEADERSHIP EXPERIENCE

Research team member for 1 year, University of Toronto Aerospace Team Space Systems

- Laid foundations of CubeSat (Cube-sized Satellite) Mission FINCH to be launched into space.

Captained and Coached Skule soccer teams for 3+ years, Intramurals League, EAA, University of Toronto

Event coordinator for 1 year, Turkish Student Association

F!rosh/Orientation Leader for 2 years, Faculty of Applied Science and Engineering, University of Toronto

- Helped first year students adapt to the culture and community of engineering at University of Toronto.