Robin Ronson

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EDUCATION

TEXAS TECH UNIVERSITY
BS in Computer Science
December 2018 | Lubbock, TX
College of Engineering
Cum. GPA: 3.9 / 4.0

UNITED INDIAN SCHOOL
Grad. May 2014 | Jleeb
Al-Shuyoukh, Kuwait

LINKS

Github:// robrons
LinkedIn:// robinronson
Portfolio:// robrons.github.io

COURSEWORK

UNDERGRADUATE
Structures and Algorithms
Operating Systems
Intro. to Artificial Intelligence
Bioinformatics
(Research Asst.)

SKILLS

PROGRAMMING
Proficient:
Java • Python • CSS • HTML
Familiar:
C • C++ • Assembly • JavaScript • LaTeX • Bash
Frameworks and tools:
iOS • Android • MySQL • ReactJS • Unix • MongoDB • REST

EXPERIENCE

TEXAS TECH HPCC | Software Engineer
Jan 2018 - Present | Lubbock, TX

- Incremental development of a Python-based, API-driven test automation tool for Redfish®
- Developed a caching mechanism to store HTTP GET requests using JSON serialization, resulting in a $\approx$ 50x speed improvement over the existing mechanism
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

RESEARCH

TTU BIOLOGICAL SCIENCES DEPARTMENT | Researcher
May 2017 – Present | Lubbock, TX

Working with Prof. Amanda M.V. Brown to create DNAngler, a Java pipeline used to iteratively improve phasing of strains from complex cellular assemblages, allowing users to measure evolutionary forces and predict trajectories of infectious diseases.

PROJECTS

FREEZE-B-GONE
Implemented K-means clustering algorithm in MATLAB to compress an image by reducing its color count to 16 by computing colors as cluster centroids and replacing each pixel with its nearest cluster centroid color.

K-MEANS
implemented k-means clustering algorithm in matlab to compress an image by reducing its color count to 16 by computing colors as cluster centroids and replacing each pixel with its nearest cluster centroid color.

DATABASE PROJECT
implemented k-means clustering algorithm in matlab to compress an image by reducing its color count to 16 by computing colors as cluster centroids and replacing each pixel with its nearest cluster centroid color.

SELF-DRIVING SIMULATION
implemented k-means clustering algorithm in matlab to compress an image by reducing its color count to 16 by computing colors as cluster centroids and replacing each pixel with its nearest cluster centroid color.