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
Frameworks and tools:
iOS • Android • MySQL • ReactJS • Unix • MongoDB

EXPERIENCE

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

- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator and more in PHP and Shell.
- 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.