Furkan Toprak

(469) 328-4784   furkancemaltoprak@gmail.com

github.com/FurkanToprak   linkedin.com/in/furkantoprak

Work and Research Experience

Undergraduate Researcher • Center for Phage Technology
September 2018 - Present

Developing tools for CPT Galaxy, an instance of the Galaxy Project, to provide a web interface for bioinformatics tools normally run on the command line; currently developing a tool that will match bacteria with their appropriate gram stain classification.

Intern Researcher • UT Southwestern Medical Center
June 2017 - Present

Developing neural networks to research the behavioral patterns of the Sand Bubbler Crab in order to find patterns between evolutionary algorithms and biological evolution processes. Utilizing the STAMPEDE5 supercomputer for computational processes.

Education

Texas A&M University: BS Computer Engineering • Present ('22) :
- 4.0/4.0 GPA
- Computer Engineering Honors Student
- Minor: Biology.

Plano West Senior High School • 2018:
- 4.23 GPA, Honors Society.

Skills and Hobbies

Languages:
Python 3 (scientific), TensorFlow, Java, C++, Javascript, Matlab, bash, HTML5, CSS, Git, MySQL, Node.js, three.js

Knowledge:
Neural networks, data structures, algorithms, supercomputers, Linux, Unix, whitehat hacking, Arduino, robotics, CAD/CAM, 3D printing, welding

Hobbies:
Weightlifting, programming competitions, guitar, philosophical literature.

Accomplishments and Awards

Scholarships • 2018 - present:
Entirety of education paid for by
- Presidential Endowed Scholarship (highest academic scholarship at A&M)
- National Merit Scholarship
- smaller, major-specific grants based on academic excellence.

Engineering Honors • 2018 - present:
Among top %10 of engineering students.

National Merit Finalist • 2018:
Was among top %0.5 PSAT scorers nationwide.

Freshman Python Coding Competition • 2019:
Tied for 1st place among hundreds of engineering honors students.