Alan Nguyen

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EDUCATION

Texas A&M University
BA in Computing
Expected Grad. Dec. 2021
GPA: 3.333

COURSEWORK

Program Design and Concepts
Data Structure & Algorithm
Discrete Mathematics
Programming Languages
Computer Organization
Intro to Computer System
Programming Studio

SKILLS

Languages:
Python, C++, HTML/CSS, LaTeX
Technologies:
Git, Ruby on Rails, MongoDB,
AWS, PostgreSQL

PROJECTS

Fake News in Time
Summer 2019 research internship
project that analyze archived web
articles' linguistic cues into
time-series.

special-spoon
Tetris clone built through JavaFX
framework in an aesthetic style.

ACTIVITIES

oSTEM
Texas A&M Computing Society

02.14.2020

EXPERIENCE

Center for Large-scale Scientific Simulations   Oct. 2019 – Present
Student Technician   College Station, TX
- Designing and converting a preexisting C++ codebase into an open-sourced library.

Mays Innovation Research Center   Sept. 2018 – Aug. 2019
Software Assistant   College Station, TX
- Implemented new features and optimize existing ones to drive maximum performance for inhouse software.
- Used test-driven development, code reviews and continuous integration to deliver high quality software, and rapidly fix bugs as they come up.

University of Cyprus   Jun. 2019 – Jul. 2019
Researcher Intern   Nicosia, CY
- Utilized Python and Scrapy framework to retrieve content and metadata from archived news articles then store data into MongoDB collection.
- Processed articles' content to linguistic features divided into: i) Part-of-Speech; ii) Readability and Vocabulary Richness; iii) Sentiment Analysis; iiii) Surface and Syntax; iv) Punctuations; and v) Psychological Processes.
- Applied statistical methods on the time series of the extracted data in order to visualize the evolution of the language of fake news articles in time.

Oak Ridge National Laboratory   May 2017 – Jul. 2017
Researcher Intern   Oak Ridge, TN
- Implemented automated testing of SAP programs to streamline inhouse software development lifecycle (SDLC) processes.
- Involved in the planning, review, and development of testing programs and documentation of results.

Make Me Modern, Inc   Apr. 2017 – May 2017
Web Design Juggernaut (Student Internship)   Knoxville, TN
- Built web sites and applications by writing code (PHP, HTML, CSS, Javascript) and configuring and extending content management software (WordPress).
- Created accessible, dynamic, and responsive interfaces with HTML, CSS, and JavaScript.