Andy Trinh

EDUCATION

University of Connecticut   Storrs, CT
Bachelor of Science, Computer Science, GPA 3.66/4.00   *Aug. 2019 – May 2023*
Honors/Awards: Honors Program, Dead List Fall 2019 - Spring 2020

TECHNICAL SKILLS

Languages: Python, Javascript, C++
Frameworks: React, Node.js, Django, WordPress
Developer Tools: Git, Bitbucket, VS Code
Libraries: Pandas, NumPy, Matplotlib, Seaborn, ScitKit-Learn, SpaCy, NLTK

EXPERIENCE

Undergraduate Research Assistant   August 2021 – Present
University of Connecticut   *Storrs, CT*
- Currently performing GPU and Machine Learning research with Dr. Caiwen Ding of the Department of Computer Science.
- Developing algorithms in C++ to optimize the node allocation for tasks ran on the Titan supercomputer of Oak Ridge Leadership Computing Facility.

CSE Undergraduate Teaching Assistant   August 2021 – Present
University of Connecticut   *Storrs, CT*
- Provide students with additional information and instructions for lab activities and assignments.
- Assist Professors by grading class assignments.

Software Engineer Intern   June 2021 – August 2021
Sonalysts Human-Autonomy Interaction Laboratory   *Waterford, CT*
- Worked alongside senior software engineers to build multiple web applications involving the usage of React, NodeJS, and mySQL.
- Wrote javascript code to build the frontend and backend of the web apps.
- Built user interfaces that dynamically renders data from the backend to the frontend.

Research Intern   June 2020 – August 2020
Sonalysts Human-Autonomy Interaction Laboratory   *Waterford, CT*
- Led two end-to-end experiments (initial research, experimental design, code implementation, data collection, analysis, and report writing).
- Explored the effects of feature selection on classification performance of the Burrows Delta algorithm for Authorship Attribution.
- Conducted initial research and designed human subjects experiment to develop uni-dimensional measure of formality in text communications.

Web Development Specialist   January 2020 – May 2020
University of Connecticut   *Groton, CT*
- Designed, wrote, tested, and implemented web applications for UConn Avery Point's campus website.
- Participated in staff committee meetings to discuss the design plan for current or new web pages.

PROJECTS

Burrows Delta Study | *Python, R, NumPy, Pandas, SciKit-Learn, SpaCy, NLTK*   June 2020 – August 2020
Sonalysts Human-Autonomy Interaction Laboratory
- Conducted initial research and experiments involving Authorship Attribution.
- Worked on modifying feature selection of the Burrows Delta algorithm to see effects on classification performance across multiple media types (Tweets, Emails, Articles).
- Wrote code to extract data from files and restructure them into matrices.
- Developed and wrote pipeline to test and run experiments efficiently.
- Performed statistical analysis on results.