Terry Tianshu Wang

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EDUCATION

Duke University, Pratt School of Engineering   *Durham, NC*
Bachelor of Engineering in Electrical and Computer Engineering & Computer Science   *May 2023*
Relevant Courses: Digital Signal Processing, Computer Architecture, Operating System

Boston College, Morris College of Arts and Sciences   *Chestnut Hill, MA*
Bachelor of Science in Computer Science & Mathematics | Minors in Economics   *2019 ~ 2021*
GPA: 3.8/4.0 | Dean's List First Honors (Spring 2020)
Relevant Courses: Statistics, Mathematical Modelling, Database Applications, Robotics, Stochastic Processes

TECHNICAL SKILLS

Proficient in Python, SQL, R, Assembly x86, Swift, Java, C++, HTML, Kaldi, TensorFlow, Go, Verilog
Competent in Espnet, JavaScript, PHP, Ruby, NodeJS, Pandas, ROS, Bash, Linux, FPGA (Quartus Prime)

SELECTED PROJECTS

Data Analysist / Volunteering at the Dandelion School   *Head of volunteers | 2015 ~ Present*
- ✓ Led a website/UI design team to create an English version site on WordPress for the school using the money raised
- ✓ Led a team of 7 volunteers, designed classes to teach middle schoolers at Dandelion School English Summer Camp since 2015
- ✓ Gave speeches and fundraised publicly and privately for Dandelion school and raise awareness of education inequality

Apple Engineering and Technology Camp   *Program Participant | 2018 July ~ August*
- ✓ Brainstormed, designed, constructed, programmed, and packaged a final product to an engineering challenge by Apple
- ✓ Visited many labs and a factory; pitched for our product to engineers and senior executives at Apple.
- ✓ Mentored by Apple employees: project managers, product designers, and engineers from different fields
- ✓ Learned and operated Glowforge Laser Cutter, Formlabs 3D Printer, and some other industrial machines

RESEARCH EXPERIENCES

Natural Language Processing Research Assistant at Boston College   *Research | 2021 Summer*
- ✓ Focused on preserving low-resource languages and developed guidelines to collect speech data that maximize model accuracy
- ✓ Researched multiple data augmentation methods to increase model accuracy, and investigated the impact of different train-test splits on word error rate after feeding the inputs through neural net encoder-decoder, mentored by Dr. Prud'hommeaux
- ✓ Annotated multiple papers and wrote a ICASSP format report for further research and publication
- ✓ Languages investigated are Bemba, Swahili, Wolof, Fongbe, Amharic, …

Software Development at Peking University   *Intern | 2019 Summer*
- ✓ Worked closely with doctoral researchers on using Machine Learning tools - Tensorflow to analyze massive sensory data inputs to recognize objects and traffic patterns to ensure a safe driving environment with autonomous vehicles
- ✓ Specifically worked on project with emergency situation handling and maneuvers in complicated downtown traffic patterns.
- ✓ Focused on object eecognition and image processing and helped design and test prototypes in university's science parks

LEADERSHIP SKILLS

- ✓ Teaching Assistant for Robotics, holding weekly office hours
- ✓ Math Department Grader for the Mathematical Modeling course
- ✓ Residential Assistant for the First-Year Students residential area
- ✓ Paid peer tutor in math, computer science, physics, chemistry, statistics, etc…
- ✓ Treasurer of the Momentum Club – a mechanical engineering club on campus showcasing several projects