CAIJUN QIN

Address: 2801 NW 23rd Blvd. APT. U140, Gainesville, FL 32605 ♦ **Phone:** (352) – 872 – 6633
Email: qcaijun2013@gmail.com ♦ **Personal Website**: https://caijunqin.wixsite.com/portfolio
Linkedin: https://linkedin.com/in/cq-profile ♦ **GitHub:** https://github.com/Fennec2000GH

bEDUCATION & HONORS

Aug 2019 – May 2022

UNIVERSITY OF FLORIDA ♦ GAINESVILLE, FL
Major: Computer Science B.S. & Statistics B.A. **Major GPA:** 3.93 / 4.00
Distinctions: University Scholars Program, SW Engineering Club Webmaster, UF Hackathoners Treasurer
Relevant Coursework: Data Structures and Algorithms, Machine Learning, Performant Programming in Python, Competitive Programming, Principles of Programming Language, Intro to Data Science, Programming with Data in R, Intro to Software Engineering, Statistical Learning

Aug 2018 – May 2019

FLORIDA STATE UNIVERSITY ♦ TALLAHASSE, FL
Major: Computer Science B.S. **Major GPA:** 4.00 / 4.00
Distinctions: University Honors Program, Treasurer of ACM Chapter
Relevant Coursework: Intro Programming I (C++), OO Programming, Linear Algebra, Calculus III

PROJECTS & RESEARCH

Jun 2021 – Present

Using AI to Trace the History of Race and Inequality ♦ Undergraduate RA, Dept. of Classics, UF
- Engineering NLP pipeline to clean, translate, and index Latin and Greek texts for querying
- Leads team of students to webscrape XML files and extract raw text sections from classical literature
- Leveraging HPC from UF's HiperGator 2.0 supercomputer to processes tasks on corpora in parallel

Jun 2021 – Aug 2021

REU at University of North Texas ♦ Dept. of Information Science, College of Information, UNT
- First author of paper comparing traditional ML vs. deep learning algorithms on legal text classification
- Experience with BERT transfer learning using Tensorflow/Keras and HuggingFace libraries

May 2020 – April 2021

Predictive Sampling Method for Spread Models in Networks ♦ University Scholars Program, UF
- Author of research paper published to the UF's *Journal of Undergraduate Research*
- Developed new sampling method for large networks based on quota sampling of high-degree nodes
- Used different statistics of samples to evaluate proposed algorithm against other sampling algorithms

May 2020 – Aug 2020

Backend Engineer for OCR Note-taking App ♦ Performant Programming in Python Course, UF
- Maintained customizable pipeline to preprocess text images with OpenCV and Pillow library tools
- Optimized parameter values for different image preprocessing functions and experimentally determined the best selection and order of functions to boost optical character recognition (OCR) accuracy

Jan 2020 – Apr 2020

American Sign Language Image-to-Letter Translator ♦ Intro to Machine Learning Course, UF
- Collectively built classification system for ASL translation with supervised KNN model (~90% accuracy)
- Engineered pipeline that preprocesses image, trains classifier, predicts letter, and evaluates accuracy

AWARDS, FUNDING, & RECOGNITION

Jun 2021 – Aug 2021

NSF REU: College of Information at UNT
$7000 ♦ *University of North Texas, Denton, TX*

Mar 2021

Gartner Group Information Technology Fund
$1000 ♦ University of Florida, Gainesville, FL

May 2020

Russell and Mary Hyatt McCaughan Scholarship
$1000 ♦ University of Florida, Gainesville, FL

Feb 2020

University Scholars Program
$1750 ♦ University of Florida, Gainesville, FL

May 2018

University Freshman Scholarship
$1200 / Semester ♦ Florida State University, Tallahassee, FL

Mar 2019

1st Place in Lower Division
FSU Spring 2019 Programming Competition ♦ Florida State University, Tallahassee, FL

Jan 2019

University Honors Program
Lateral Admission into Honors Program ♦ Florida State University, Tallahassee, FL

PROFESSIONAL SKILLS

Bilingualism
Articulate communicator and writer with fluency in *English* and *Mandarin Chinese*

Databases, Frameworks, and Tools
Working knowledge of *MySQL, MongoDB, SQLite, Cloud Firestore, CockroachDB, Node.js, React, JQuery, Bootstrap*

Programming and Markup Languages
Relatively ordered proficiency in *Python, C++, Java, Julia, R, Rust, C#, MATLAB, Solidity, Go, HTML/CSS/JS, XML, YAML*