

CAIJUN QIN

Address: 2801 NW 23rd Blvd. APT. 140, Gainesville, FL 32605 ♦ **Phone:** (352) – 872 – 6633

Email: qcaijun2013@gmail.com ♦ **Personal Website:** <https://caijunqin.wixsite.com/portfolio>

Linkedin: [linkedin.com/in/cq-profile](https://www.linkedin.com/in/cq-profile) ♦ **GitHub:** github.com/Fennec2000GH

EDUCATION & HONORS

- Aug 2019 – **UNIVERSITY OF FLORIDA ♦ GAINESVILLE, FL**
May 2022 **Major:** Computer Science B.S. & Minor in Statistics **Major GPA:** 3.92 / 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
- Aug 2018 – **FLORIDA STATE UNIVERSITY ♦ TALLAHASSEE, FL**
May 2019 **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

- Feb 2021 – **DocVR: Virtual Reality AI Health Assistant ♦ BrickHack 7 (RIT Hackathon)**
Feb 2021
 - Configured CockroachDB distributed database with NLP capabilities to log virtual doctor's speech
 - Team won *Best Covid-19 Hack* award
- Jan 2021 – **Sentinel ♦ SwampHacks VII (UF Hackathon)**
Jan 2021
 - Constructed a CSV-to-JSON converter to facilitate importing uploaded data to *Cloud Firestore* database
 - Team won the *InfoTech Challenge* for most innovative use of a public dataset for the public good
- May 2020 – **Predictive Sampling Method for Spread Models in Networks ♦ UF University Scholars Program**
April 2021
 - 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 – **Backend Engineer for OCR Note-taking App ♦ UF Performant Programming in Python Course**
Aug 2020
 - 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 – **American Sign Language Image-to-Letter Translator ♦ UF Machine Learning Course**
Apr 2020
 - 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 – **NSF REU: College of Information at UNT**
Aug 2021 **\$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 (Out of 78 Teams)**
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*, *Java*, *C++*, *C#*, *MATLAB*, *Solidity*, *R*, *Go*, *Julia*, *HTML*, *CSS*, *JSt*, *XML*, *YAML*