# Qianqi(Chiki) Luo

(81)70-8361-3872 | ra.c.aa@m.titech.ac.jp | chikiluo2024@gmail.com | linkedin.com/in/chiki12 |

## Education

**Institute of Science Tokyo (formerly Tokyo Institute of Technology)** — Tokyo, Japan
*bachelor in mathematical and computing science* — *Apr. 2020 – Mar. 2025*

**Georgia Institute of Technology** — Atlanta, GA
*exchange program for two semesters, major in Computer Science* — *Jan. 2023 – Dec. 2023*

**Beijing No.4 high school** — Beijing, China
*secondary education* — *Sept. 2016 – July 2019*

## Experience

**Data Team Intern | SQL, Tableau** — Sep 2024 – current
*Assembly Global* — *Tokyo, Japan*

- Belonged to the data team and performed data ingestion and ensured quality assurance for media data from different platforms, maintaining accuracy and consistency.
- Enhanced and modified Tableau visualizations based on requests, ensuring actionable insights from dashboards

**100 days of SwiftUI | SwiftUI** — March 2024 – June 2024
*Hacking with Swift* — *online*

- Learnt building iOS app using SwiftUI at the website 'hacking with Swift'

**Research student | Python, Machine Learning** — May 2023 – Aug 2023
*Coskun lab,* — *Atlanta, Georgia*

- Helped PhD students with computer science projects about single-cell analysis and data visualization in a biomedical engineering lab
- Applied machine learning techniques and gained fundamental knowledge of single-cell biology, while also utilizing mathematical models to simulate the protein generation process.

**Research Internship** — Sep 2022 – Sep 2022
*IBS Data Science Group* — *KAIST, Korea*

- Replicated mentor's study in data analysis using Association Rule Mining and Topic Modeling.

## Class Projects - exchange study

**F1 data analysis** | *Python, Machine Learning* — Sep. 2023 – Dec. 2023

- F1 datasets comprises driver and team results, race conditions, and strategic decisions.
- Decipher complexities in F1 racing by applying Machine Learning techniques and conducting a comprehensive data analysis of the obtained results.

**Bird Species Classification using Audio Data** | *Python, Deep Learning* — Sep 2023 – Dec 2023

- Harness neural network architectures to automate the classification process, and to classify and identify the vocalizations into their respective bird species.
- Preprocessed audio signals to create spectrogram and set ResNet-34 and EfficientNet-b4 as baseline.

**infoViz** | *Javascipt, html* — Mon 2023 – April 2023

- Used D3.js to illustrate U.S. college data
- Upon selecting a specific region, user can modify the x and y axes of two separate plots, and activate the brushing feature to correlate identical data between the two plots.

**Earnings Predictor** | *python* — Feb 2023 – April 2023

- Developed a machine learning model leveraging data from Yahoo Finance and Seeking Alpha to predict future EPS(Earnings Per Share) beats.
- Suggested a profitable investment strategy that effectively uses the accurate EPS beat prediction model.
- Overcame challenges related to data accessibility and parsing, executed data cleaning before training the model

## Class Projects

**Visualization of Vastopolis** | *Python* Nov 2022 – Dec 2022

- Executed visualization using the data of IEEE VAST Challenge 2011: to find the mechanism of unknown epidemic by visualization
- Used Numpy, Plotly,and BERTopic to deal with blog data, visualize, and calculate the main topic from data

**Implementation of CNN** | *Python* Jun 2022 – July 2022

- Trained a model by using the MNIST handwritten digit database to identify the self-made handwriting

**UFO World** | *Java* Apr 2022 – Jun 2022

- Designed a world where a UFO dropping as time passed in a given canvas and could move and shot controlled by keyboard operation using object diagram.

**MIPS architecture simulating** | *C* Dec 2021 – Feb 2022

- Simulated MIPS architecture by executing logic gates and combining them together
- Updated ALU(Arithemetic logic unit) to speed up calculating

**Tetris and Othello** | *Scala* Oct 2021 – Nov 2021

- Compiled games by using functional programming language Scala
- Added rotating, accelerating function in Tetris and simulated game process executing alpha-beta pruning in Othello

## Awards

**JASSO Scholarship for Overseas Study Support Program** Jan 2023 – Dec 2024

**Scholarship for Outstanding International Undergraduates** 2023 acedemic year
*Outstanding Performance Award*

**Scholarship for Outstanding International Undergraduates** 2021 acedemic year
*Outstanding Performance Award*

## Technical Skills

**Languages**: Python, Swift, Java, C/C++, Scala, R, JavaScipt, SQL
**Developer Tools**: Git, VS Code, Visual Studio, Sublime, Eclipse

## Additional Information

**Languages**: native Japanese, native Chinese, fluent in English(TOEFL(103))
**Leadership**: Belonged to a student organization(FLAP) in Tokyo Tech and contributed to managing the website and helped organize events and consultations about studying abroad.
**Achievement and Activities**: Bronze at Beijing high school Mathematics Olympiad
**Visa Status**: Japan (Permanent Resident)