

# Zoe Feng

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## Education

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### New York University

*Master of Science in Computer Science*

*New York, United States*

*September 2022 - May 2024*

### University of Science and Technology Beijing

*Bachelor of Science in Information and Computing Science*

*Beijing, China*

*September 2018 - June 2022*

## Technical skills

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<b>Programming</b>	Java, Javascript, SQL, Python, C++, HTML/CSS
<b>Tools</b>	Git, Microsoft Word, Google Docs
<b>Framework</b>	React
<b>Certificate</b>	AWS Certified Cloud Practitioner

## Work Experience

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### NYU C2SMART Center

*Developer Intern*

*June 2023 - Present*

*New York, United States*

- Managed servers using **Docker** and **Linux**
- Deployed static website on the **Amazon Web Services (AWS)** platform
- Designed and implemented dynamic data visualization board utilizing **React**, detail can be found in <https://c2smarter.s3.amazonaws.com/index.html>

### Inke Ltd.

*Data Analyst Intern*

*September 2021 - March 2022*

*Beijing, China*

- Prepared data dashboard and host data daily meeting
- Managed database operations using data platforms and tools
- Developed and executed Hive SQL queries to extract and manipulate data
- Leveraged **Tableau** to connect to **MySQL** database and generate interactive data visualizations

## Project and Research Experience

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### eCommerce Website Promotion Section

*Developer*

*June 2023 - August 2023*

*New York, United States*

- Designed and implemented RESTful APIs using **Flask**
- Established streamlined development environment using **Docker**
- Implemented BDD with **Behave** and TDD with **Green**, achieving 95% of code coverage
- Applied DevOps and Agile principles to enhance project efficiency, collaborated within cross-functional teams through bi-weekly sprint meetings

### Click Recipe Website

*Developer*

*October 2022 - December 2022*

*New York, United States*

- Created the backend using **NodeJS**
- Developed frontend user interface using **React** and **CSS**
- Successfully crawled and extracted data from over 1000 recipes using **Python**
- Implement random recipe retrieval and recipe search feature with regular expression in **MongoDB**

### 2021 MCM/ICM Mathematical Contest in Modeling

*Team member*

*February 2021*

*Beijing, China*

- Achieved the Meritorious Winner award in the contest
- Clustered music genres based on shared characteristics and features.
- Developed mathematical models and composed an essay to clearly communicate research findings
- Quantified similarity between music tracks using Euclidean distance metric and generated a heatmap to visualize artist similarity with R