

# Zhou Sun

## Fullstack Developer

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## EDUCATION

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### Trinity College Dublin

B.A. (Moderatorship) in Computer Science

Dublin, Ireland

Expected May 2029

- **Relevant coursework:** Linear Algebra, Number Theory, Discrete Mathematics, Statistical Analysis, Programming Projects, Sustainable Development For Computer Science, Digital Logic, OOP Paradigm, Design Patterns

## EXPERIENCE

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### Bremore Educate Together

Teaching Assistance (2 Weeks)

March 2023 - March 2023

Balbriggan, Co. Dublin, Ireland

- Assisted secondary school teacher in subjects such as maths, science, music and PE.
- Shadowing teacher and learn about their teaching techniques.
- Understanding the people, time and equipment management inside of a school setting.

### Matrix Internet

Frontend Developer (2 weeks)

December 2022 - December 2022

Remote

- Built a Dashboard website for courier company with clean minimal design.
- Using JavaScript to parse the data and rendered it out as tables and graphs.

## PROJECTS

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### Flight Analyser | Java, Swing Library

- Desktop application built in Java (Swing) that lets users search, filter, and visualise historical and live flight data sourced from the OpenSky API and offline CSV datasets
- Features include full-text search, sort by parameters, live map view and animated graphs

### Encryption Ciphers | C language

- Encrypt a txt file with affine cipher.
- Project is still under active development, planning to extend the suite with exponential ciphers and RSA cipher alongside with their deciphers.

### Dashboard | HTML, CSS, JavaScript

- An analytics dashboard for a courier software platform, displaying real-time job and revenue.
- Added company and year filter controls that re-render charts and summary stats on selection, with date-based table filtering

## SKILLS

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- **Languages:** English, Chinese
- **Programming Languages:** Java, C, JavaScript, Python
- **Frameworks & Libraries:** Java Swing, React,
- **Development Tools:** Git, Gitea Actions, Docker, Maven, Node, NPM, Vite