

# Chen Cheng

◇ Dublin, Ireland ◇ +353873393413

◇ [chrisloveireland@gmail.com](mailto:chrisloveireland@gmail.com) ◇ [Linkedin](#) ◇ [Github](#) ◇ [WebCV](#)

## EDUCATION

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**Maynooth University**

Sept 2021 - Sept 2023

*MSc. Computer Science(Applied)*

Kildare, Ireland

**Beijing University of Posts and Telecommunications**

Jun 2020

*BE. Computer Science and Technology*

Beijing, China

## TECHNICAL EXPERTISE

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**Languages:** Java, Python, SQL, Javascript, Racket

**Frameworks:** Spring-boot, Android, Flutter, Flask

**Developer Tools:** VS Code, IntelliJ Idea, Android Studio

**Low-code Platform:** Oracle-Apex, QlikView

**Others:** RDBMS, Git, Agile(Scrum), AWS, Docker, Azure DevOps

## WORK EXPERIENCE

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**Unum Ireland**

Mar 2023 - Sept 2023

Software Engineer - Intern

Carlow, Ireland

- Engaged in four .Net Core web applications as a backend team member.
- Worked in close collaboration with the Scrum Master and Product Owner.
- Collaborated with five other interns for the Intern Challenge.
- Implemented two Dashboards using the QlikView Platform.
- Successfully developed and deployed a suite of four .Net Core codebases, all seamlessly integrated with Azure DevOps.

**Beijing Xiaomai Technology Co., Ltd.**

Aug 2015 - May 2019

Android Application Engineer

Beijing, China

- Led development of two native Android applications.
- Developed and maintained a time-saving foundational library.
- Managed complex challenges and third-party library selection.
- Collaborated with testers and product managers to advance the project.
- Mentored and onboarded junior engineers and interns.

# PROJECTS

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## Plan Design

Jun 2023

- A pure back-end project that can automatically generate the benefits plan through ADP Workforce Now.
- Technology stack: **ASPNET Core**, **EF Core**, **LINQ**, **PostgreSQL**, **AWS Lambda**, etc.
- Involved in the Design, Implementation, Testing and Maintenance with Agile environment.
- Created RESTful web APIs with ASPNET Core controllers.
- Created Data Models with Entity Framework Core and utilized .NET CLI to generate SQL.
- Developed controllers and service methods Using TDD(Test-driven Development) methodology.
- Had unit test coverage above 100% for endpoints and public methods by using **Xunit**, **Nunit**, and **Sonar**.
- Development environment: .Net core 6.0, Git, Visual Studio, AWS, Azure Devops, Windows.

## Cyclone4Web

Dec 2022

- A web-based IDE on the Cyclone platform to help the professor improving the teaching method.
- The main functionalities: Code running, Code uploading, Example list, etc.
- Technology stack: **Flask**, **Jinja2**, Bootstrap, **Ace**.
- The front-end work was built by using Jinja2, JQuery, Bootstrap, Js cookie, Ace, Notify.js.
- Implemented APIs with Flask and deployed them with Gunicorn and Nginx on AWS EC2.
- Had unit test coverage above 100% of APIs by using Pytest.
- Tested the front-end by the black-box method.
- Development environment: Java 11, Python 3.10.5, Git, VS code, AWS, Linux.
- Link: <https://github.com/freestyletime/Cyclone4Web>

## MaiMai

Dec 2015

- The application aims to build an internal platform for the staff who are mostly real estate brokers as a result users can do daily routines on the phone straight.
- The main functionalities: file approval, communication, contact search, house, memo, etc.
- Third-party SDK: **Retrofit2**, **OkHTTP**, **Rxjava**, **Butterknife**, **ActiveAndroid ORM**, **Glide**, **Otto**, etc.
- Maintained Gradle script to build signed APKs with multi-channels before the deployment.
- Integrated with Umeng to keep track of and analyze user activities to improve the user experience.
- Design pattern & Architecture pattern: Factory, Proxy, Decorator, Strategy, Observer, MVC, MVP
- Development environment: Android-14, Gradle 1.3.1, Git, IntelliJ Idea, Ubuntu, Postman.

# APPENDIX

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**M.SC. COMPUTER SCIENCE** — Overall Result: 75.2 (1ST CLASS HONORS)