

Sheffield, United Kingdom
contact@yienian.com

Yie Nian Chu

Site: yienian.com
GitHub: [zachcyn](https://github.com/zachcyn)
LinkedIn: [Yie Nian Chu](#)

EXECUTIVE SUMMARY

- Results-driven Computer Science graduate with experience as Software Developer at Interface Developers Ltd, specialising in enterprise full-stack development and database engineering.
- Proficient in VB.NET, SQL Server, and DevExpress enterprise frameworks, delivering interactive reporting dashboards, complex CRUD operations, and database migrations for automotive calibration management systems.
- Strong skills in Python and machine learning frameworks such as TensorFlow and scikit-learn.
- Multilingual (Chinese/English) developer passionate about building scalable enterprise solutions and continuously advancing technical expertise in modern web technologies.

WORK EXPERIENCE

Junior Software Developer

Interface Developers Limited

Previously: Graduate Software Developer

Mar 2026 – Present

Malvern, United Kingdom

Sept 2025 – Mar 2026

- Investigated and resolved a stock status defect by identifying incorrect logic and implementing a stored-procedure-based fix to handle quantity contributions correctly.
- Improved the accuracy and maintainability of stock-processing logic by moving data handling from a front-end workaround into the SQL layer, where the business rules were better enforced.
- Contributed to enterprise web application development for JLR Calibration using VB.NET, SQL Server, and DevExpress to support internal business workflows and system enhancements.
- Refined SQL Server stored procedure logic to support partial record updates without overwriting valid existing values, helping reduce unintended NULL writes and improve data integrity.
- Enhanced DevExpress-based user interfaces by configuring grid columns and popup edit forms to improve usability and data entry workflows.
- Supported reporting, data handling, and ongoing feature delivery within a live enterprise application environment.

Software Development Intern

Hello Bio Limited

Sept 2024 - Nov 2024

Bristol, United Kingdom

- Developed custom ERPNext modules using Frappe framework for Hello Bio's manufacturing operations and inventory management.
- Designed automation for bulk variant item creation and Bill of Materials (BOM) generation, reducing manual workload by over 30%.
- Implemented certification generation feature for quality inspections, ensuring compliance with internal manufacturing standards.
- Mapped legacy data from existing systems into ERPNext and built custom API integration for automated 5-minute stock updates.
- Mastered Python, JavaScript, ERPNext architecture (Stock/Manufacturing modules), and Agile/Kanban methodologies for efficient delivery.

EDUCATION

BSc Computer Science (First-Class Honours)

University of the West of England

Sept 2022 - May 2024

Main courses: Artificial Intelligence, Machine Learning, Advanced Software Development, System Development, Operating System, Autonomous Agents and Multi-agent Systems, Security Data Analytics and Visualization

International Year One in Computing

June 2021 - June 2022

University of the West of England International College

Main courses: Database Design and Implementation, C/C++ Programming, Web Programming, Artificial Intelligence, Computer Architecture, Digital Evidence, Principles of Computing

CIE A-Level

June 2019 - Jan 2021

INTI International University and College Nilai

Main courses: Business, Economics, Mathematics

PROJECTS

Facial Emotion Recognition on Music Recommendation System

Apr 2024

Final Year Project (First-Class)

- Developed a website using React.JS, Express.JS, Node.JS, and PostgreSQL (PERN Stack) and RESTful API for intuitive user interface and seamless data management.
- Built a robust Convolutional Neural Network (CNN) model for facial emotion recognition utilizing TensorFlow and Keras.
- Implemented Transfer Learning with additional datasets to improve model accuracy and generalization, achieving 88% accuracy across diverse user groups.
- Integrated user registration with email verification to ensure secure access and data privacy compliance.
- Integrated Spotify web playback integration for seamless delivery of music therapy playlists based on detected emotions.

SKILLS

Programming Python, C/C++, C#, VB.NET, Javascript, HTML, CSS, SQL

Application Github, MongoDB, SQL Server, SSMA, Notion

Communication Chinese (native), English (business), Cantonese (business)

Other Data Analysis, Machine Learning, Web Development, Data Structures, Git, DevExpress, ASP .NET

REFERRAL CONTACT

Alen Eapen

Hello Bio Internship Manager