

# Xinjian Zhang

Software Engineer | Business/Product Analyst

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[in LinkedIn Profile](#) [GitHub Repo](#)

## EDUCATION

- ▶ **University of Tartu / Tallinn University of Technology** 2023 – Present, Estonia  
MSc Software Engineering CGPA:4.5/5
- ▶ **Lancaster University / Beijing Jiaotong University** 09.02019 – 06.2023, UK, China  
BSc Hons Computer Science, BEng Computer Science and Technology CGPA:3.58/4

## EXPERIENCE

- ▶ **Independent Software Developer, UI Designer** 07.2022 – 09.2023
  - ▷ Development specializing in HTML5, JavaScript, Python and Ruby
  - ▷ Hybrid mobile app development, prioritizing functionality, aesthetics
  - ▷ User-centric UI/UX designs emphasizing simplicity, functionality, and visual appeal

## PROJECTS

- ▶ **Research on the Urgency of Carbon Emission Issues from Sewage Plants** 04.2022
  - ▷ Quantified and visualization prediction model analyzes the carbon neutrality among sewage carbon emissions
  - ▷ MATLAB, Python, Regression Analysis, Power BI
- ▶ **Database Backup and Management System** 08.2022
  - ▷ Comprehensive database management system to facilitate efficient backup and restoration of SQLite databases
  - ▷ Java, JDBC, SQLite, File I/O operations, DB Metadata
- ▶ **IoT-Based Health Monitoring System** 03.2023
  - ▷ Web-end and Android-end health monitoring system
  - ▷ Arduino, ESP8266, Web Socket, Spring Boot, MyBatis, MySQL, Hybrid App, HTML5, Node.js
- ▶ **3D Convolutional Neural Network for Medical Image Analysis** 08.2023
  - ▷ 3D CNN model using Keras and TensorFlow for classifying and segmenting medical imaging data
  - ▷ Implemented custom data pipelines and advanced neural network architectures
  - ▷ Utilized GPU acceleration and robust evaluation metrics
  - ▷ Python, NumPy, Pandas, Keras, TensorFlow, PyTorch, Matplotlib, Scikit-learn, CUDA

## SKILLS

- ▶ **Software Development**
  - ▷ JavaScript, HTML, CSS, Python, C#, Java, Ruby, Node.js, React., Vue.js, AngularJS, Express.js, Rails, Spring Boot
- ▶ **Data, Modeling, Analysis/Management**
  - ▷ MS Excel, R, SQL, MATLAB, UML, BPMN, Data Analysis, Business Process Management, Software Product Management, Requirements Engineering, A/B Testing
- ▶ **UI/UX**
  - ▷ Photoshop, Sketch, Figma

## LANGUAGES

- ▶ **Chinese** Native
- ▶ **English** C1 (IELTS Academic 7.0)
- ▶ **Bulgarian** Intermediate
- ▶ **Japanese** Elementary (JLPT N5)
- ▶ **Estonian** Elementary