



JUN XIANG FEDERICO ZHOU, 22

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Education

University of Milan

Bachelor's of Science in Computer Science

2019 – 2023

Milan, Italy

Experience

Amazon — Technology Company

May 2023 — July 2023

Software Engineering Intern

Berlin, Germany

- Amazon is an multinational technology company focusing on e-commerce, cloud computing, online advertising, digital streaming, and artificial intelligence.
- Utilised AWS services including DynamoDB, AWS Lambdas, SNS, S3 Buckets, Redis, EC2 Instances.
- Worked in the Music Feature Repository team with the Machine Learning Team to provide personalised recommendations and suggestions to users.
- Delivered impactful project which reduced machine learning feature onboarding time, improved data integrity, and feature ownership.

Huawei — Technology Corporation

October 2022 — April 2023

Technical Engineer Intern

Milan, Italy

- Huawei is a technology corporation which develops, produces and sells telecommunication equipment and consumer electronics.
- Developed internal multi-module software system to solve real world business needs.
- Improved existing workflows through automation.
- Worked as a programmer employing Java, Java RMI, Domain Driven Design, SOAP and REST.

Wise (formerly TransferWise) — Financial Technology

June 2022 — September 2022

Software Engineering Intern

Tallinn, Estonia

- Wise is a financial technology company which handles money transfers and multi-currency accounts.
- Deployed impactful features as a backend engineer using Java and Springboot.
- Deployed services which handle requests for millions of customers using Kubernetes and Docker.
- Employed Grafana and Kibana for observability and real-time monitoring.
- Delivered impactful feature worth £15m and £75m on iOS, Web and Android.

Notable Projects

DES Encryptor | *Java, JavaFX, Eclipse*

- A Java and JavaFX based DES Encryptor Utility.
- Utilised Java to program the backend and JavaFX to design the frontend.
- Engineered a well-thought class structure to ensure efficiency and ease of use.
- Implemented object-oriented programming practices.

easyVote Project | *Java, JavaFX, Eclipse, StarUML, MySQL*

- A Java and JavaFX powered versatile voting system.
- Able to handle multiple voting systems, intuitive and easy to use.
- Applied a model driven development approach and used design patterns.

Technical Skills

Languages: Java, Python, HTML/CSS, React, Javascript, Typescript

Database Management: PostgreSQL, MySQL, Elastic Cache, DynamoDB

Technologies/Frameworks: Springboot, Docker, Kubernetes, Linux, Git, JUnit, Latex, Bash, AWS Services

Leadership

RSALty

President

2021

University of Milan

- Led a team of amateur cryptographers in a university sponsored challenge.

Soft Skills and Interests

- Able to communicate fluently in Italian (L1), English (IELTS C2) and Chinese (HSK 5).
- Interested in Cryptography, Computer Security, iOS Jailbreaking and rockets.