Gioele Monopoli

Zürich, Switzerland. Available to relocate within Europe.

+41 78 925 97 04 | gioele.monopoli.pro@gmail.com | Swiss & Italian | Project Portfolio

Data Scientist

I am an engineer bringing diversified knowledge in computer and data science, practiced through real-world projects. I aim at working in a diversified team and I do so by taking part of collaborative tasks such as hackathons. I won challenges at the biggest hackathons in Europe.

My experiences also include leadership by supervising interns, conflict management during software construction, and online communication through writing tech articles.

Education

M.Sc. Data Science, EPFL (École polytechnique fédérale de Lausanne)   09/21 - Present
- Machine Learning, Deep Learning, Modern NLP, Network Machine Learning, Data Visualisation
- Large-scale data systems for real-world data, Statistics and Probability, Security and Privacy
- ML4ED Research Lab at EPFL working on Multi-label Text Classification with Transformers

B.Sc. Computer Science, Universität Zürich   09/17 - 04/21
- Learnt Software Systems, Algorithms, Databases, Code Quality, Testing.
- Minor in Business Administration: Human Resource Management, Marketing, International Management.

Work Experience

Master Thesis at Huawei Research Center, München   08/23 - Present
- Investigating Techniques for Transportation Mode Classification of GPS Trajectory Data

Software Engineer at Polygon Solutions GmbH, Zürich   02/20 - 11/21
Technical accomplishments:
- Developed front-end solutions and cross-platform applications using Vue.js and Javascript.
- Built and shipped Electron Application, along a Python server performing text recognition using Tesseract-OCR on postal labels.
- Performed data manipulation using Pandas, leading to time-saving in a cheese supply chain.
- Automated internal processes using Google Cloud Functions, leading to increase in meeting efficiency.

Leadership and interpersonal accomplishments:
- Supervised two interns by planning their projects, mentoring them during four months.
- Resolved a communication conflict in building a software for a client.

Finance Intern at CreditGate 24, Zürich   08/18 - 08/19
- Collected, reorganised, and distributed Excel sheets to investors/platform.
- I have been in direct contact with investors regarding loan proposals.
- Converted digital balance sheets into Excel sheets.

Skills

Data Science: Python (5+ years), Scala, Machine Learning, Deep Learning, Applied Data Analysis
- Libraries: PyTorch, Sk-learn, NumPy, Pandas, HuggingFace, LangChain, Apache Kafka

Databases: SQL, NoSQL (DynamoDB, Firebase)
DevOps: Google Cloud (Cloud Run, Scheduler), AWS (Lambda, S3, EC2), Docker, Github Actions
Software Engineering: Javascript, SCRUM, Software design pattern, OOP, Algorithms
Interpersonal: Communication, Conflict management, Teamwork, Empathy
Languages: Italian, English (C1), German (B2, worked in a german speaking company), French (B1)

Achievements

- MIGROS HackZurich 2022 Winner: in a team of five people, we built a real-time warning system that uses data analytics to recognise disruptions of MIGROS supply chains. Rank #1/20
- HUAWEI HackaTUM 2022 Winner: in a team of three people, we exploited data and computer vision newest technologies in a gamified application. Rank #1/16
- Accor TakeOff! 2022 Challenge 3rd place bridging hospitality and IT: during three months, in a team of three, we prototyped a platform for deaf-mute and blind talents. Rank #3/179

Other

Hobbies: Surfing, Swimming (Non-competitive, Lake crossing), Running (Half-marathon, 10km)