



# Michele Chersich

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I am a software developer and recent graduate with a Master degree in Computational Science. I have strong analytical, problem-solving, and programming skills that I am eager to apply to a new challenge, with strong focus on data engineering. I am proficient in programming with Javascript and Python, and familiar with both relational and non-relational databases technologies. I have professional knowledge of version control, CI/CD pipelines, containerization and cloud computing.

## Personal information

Nationality Italian/Swiss  
Date of birth 30.04.1987  
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Github <https://github.com/k33rs>

## Education

2021 – 2024 Master of Science in Computational Science (English)  
Università della Svizzera italiana (USI), Lugano - Switzerland  
Master Thesis: *Reinforcement Learning and Neural Radiance Fields for Real-time Ray Tracing*  
2013 – 2016 Bachelor of Science in Informatics (English)  
Università della Svizzera italiana (USI), Lugano - Switzerland  
Bachelor Project: *Malware detector for android*  
2008 – 2013 Bachelor of Science in Communication (Italian)  
Università della Svizzera italiana (USI), Lugano - Switzerland  
Bachelor Thesis: *I videogame nel panorama mediatico*  
2001 – 2006 High school diploma in classical studies  
Liceo Classico Alessandro Volta, Como - Italy

## Work experience

2020 – 2021 Full Stack Developer  
Orange ITS SA, Chiasso - Switzerland  
Activity: development and maintenance of Sky Italy's TV format web sites: X Factor, Masterchef and Italia's Got Talent

- 2020 Full Stack Developer  
Eidoo, Chiasso - Switzerland  
Activity: maintenance, refactoring and migration of backend services
- 2019 Node.js Backend Developer  
Noku, Lugano - Switzerland  
Activity: backend development of a crypto multicurrency wallet:  
  - crypto blockchain nodes (<https://github.com/bitcoin/bitcoin> and altcoin forks)
  - multichain block explorer (<https://github.com/bitpay/bitcore>)
- 2018 – 2019 Node.js Backend Developer  
Kami Swiss, Lugano - Switzerland  
Activity: backend development of a crypto exchange platform:  
  - multicurrency wallet and exchange core libraries (Node.js, MongoDB, Docker)
  - log analytics (Elastic Stack)
  - exchange trading APIs (<https://github.com/ccxt/ccxt>)
- 2017 Software Developer Intern  
Martel Innovate, Lugano - Switzerland, <https://www.martel-innovate.com/>  
Activity: Cloud and IoT developer for EU-funded R&D projects:  
  - Deep Log Inspection (<http://deep-log-inspection.readthedocs.io/>), an Open-stack log aggregation system
  - IoT gateway with dynamic connectivity management
- 2014 – 2015 Android Developer Intern (curricular internship)  
Associazione Seed, Porza - Switzerland, <http://seedlearn.org/>  
Project: *EuBike*, an Android sharing platform for cycle tourists

## Computer skills

### Industry knowledge

- Web development
- Agile Scrum
- Cloud Computing
- CI/CD

### Tools & Technologies

- Javascript
- Python
- SQL
- Git
- Docker
- Node.js, React.js
- Pytorch, Pandas, Scikit-Learn
- MongoDB
- Gitlab, Github Actions, Jenkins CI/CD
- AWS

## Language skills

Italian Mother tongue  
English C1 - Advanced  
French B1 - Intermediate