

Cyril Dutrieux

Computer science Engineer

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Education

2013 – 2016 **Ensimag**, Computer Science and applied mathematics, Grenoble
Specialization in Operational Research and Combinatorial Optimization

Professional experiences

2021 – now **Client Solution Developer**, *Odoo*, Remote Python Psql JS
Development of custom Odoo modules

2017, 1 year **Software Engineer**, *Inria*, Grenoble Java
Development of computer vision software for monitoring bacteria

2016, 5 months **Research internship: operational research**, *G-SCOP*, Grenoble Java
Creation of a decision support tool for production in urban agriculture by integer programming and Benders decomposition

2015, 3 months **Engineer assistant internship**, *eBikeLabs*, Grenoble Python JS
Learning and prediction of the consumption of an electric bicycle

2013, 2 months **Developer internship**, *Nexange*, Meylan, France
Development of a web application for customer follow-up

Technical achievements

Open-source projects

2020 **Client library for gpodder.net**, Dart
REST API support to synchronize podcasts subscriptions on web or mobile

2020 **"Sunrise clock" project**, C++/Arduino Python
Design and implementation of a smart lamp

2018 – now **Self hosting of several services for personal use**
Linux server and Nextcloud, FreshRSS, Mattermost administration

School projects

2015, 2 months **Specialty project: Star hunter**, Java
Finding optimal schedules using constraint programming

2015, 1 month **Software engineering project**
Realization by team of five, in Agile method, of a compiler

Personal experiences

2019 – 2021 **DIY**, *woodworking, electronic, sewing project*

2018 and 2019 **Bike touring**, Fluent English
Germany, Netherlands, Denmark, Sweden, Norway, Scotland, Ireland

2014 – 2015 **School life**, *Sport association at Ensimag*, communication team
Director of teasers for events, organized a sporting event

2013 – 2015 **Realization of short fiction films**