Dylan
Bourgeois
dylan.bourgeois@epfl.ch
+41 78 928 37 01
@dtsbourg

ROBOTICS
2nd year masters
EPFL
Switzerland

did it Internships

LHCb Trigger Group, CERN, Feb-Aug 2018
As an intern, developing machine learning methods which select interesting particle collisions in a processing-friendly way, using only low-level detector information.

Robot Learning & Interaction group
IDIAP, Sept-Dec 2017
As part of a semester project, we were investigating partial joint control on a humanoid robot. This project was finalized by an AR interface based on Tango to control the Baxter robot.

Distributed Information Systems Laboratory (LSIR), EPFL, Feb-Jun 2017
As part of a semester project, we worked on identifying correlations in news coverage using Matrix Factorisation methods, usually used in recommender systems.

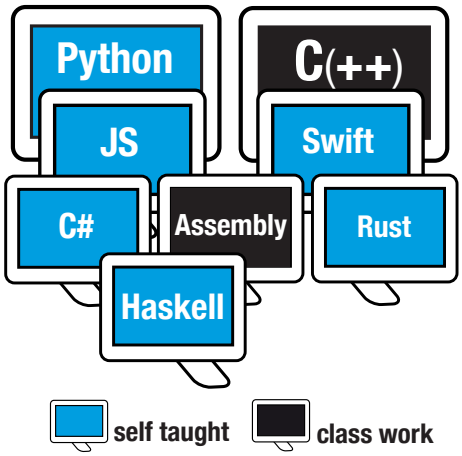
Learning Algorithms and Systems Laboratory (LASA), EPFL, Feb-Jun 2016
Studying failure detection, prediction and recovery for robots. Using the robot's internal and external sensors, were trying to determine (as far in advance as possible) when a robot task execution was about to fail.

Institut de Robòtica i Informàtica industrial(IRI), UPC-Barcelona, Summer 2016
Extending a visual odometry framework to support inertial readings at a high frequency. This included verifying and implementing IMU preintegration on manifold methods developed by the RPG lab at ETH Zurich.

Laboratory of Intelligent Systems, EPFL, Sept-Dec. 2015
Implemented a free-fall recovery algorithm for a quadcopter, allowing for emergency stabilization or throw recovery.

Museum of Natural History, multi media department, NYC, Summer 2014
The Interactives department creates all the multimedia content and interaction software that accompanies the museum's exhibits. Technologies included VR, projections, iPad apps, and several innovative interactive systems.

can do Programming



can do Software

- Matlab
- Solidworks (CAD)
- Logisim (Digital Logic circuits)
- MPLabX
- Unity3D
- Sketch
- Gantt Project
- Git
- QGroundControl
- ROS
- Final Cut Pro X
- Sklearn + various ML frameworks
- Jupyter Notebooks

Education

- 09/2016 – 12/2018: Master of Science & Engineering /speciality Robotics + extra credits in Computational Neuroscience, EPFL
- 09/2012 – 06/2016: Bachelor of Science & Engineering /speciality Microengineering, EPFL
- 06/2012: French Baccalaureate, Scientific specialization & advanced Mathematics

Languages
spoken / written

PUBLICATIONS

WWW'18
Journalism, Misinformation and Fact-Checking Track

Selection Bias in News Coverage: Learning it, Fighting it

by D. Bourgeois, J. Rappaz, K. Aberer

Tennis- competitive level
Music curation
Running
Film editing
Traveling-
Asia, Europe, USA,
looking forward to more

and also

Head of IT
Satellite, **EPFL,** 2016-2017

Teaching Assistant
Applied Data Analysis, **EPFL,** 2017

Lighting staff
Balélec Festival, **EPFL**, 2015-2017

Music programmer Underground Stage, Sat Rocks Festival, 2016

Contributor Signal for iOS
Open Whisper Systems, 2014