

# Benjamin Fradet

## Data engineer

32, rue des Envierges  
75 020 Paris  
France  
Phone: +33 (0)6 61 71 86 23  
Email: [benjamin.fradet@gmail.com](mailto:benjamin.fradet@gmail.com)  
GitHub: [BenFradet](#)

## EXPERIENCE

- 
- |                     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Feb 2015 - present  | + | <b>Data engineer, Ministère de la Défense (French ministry of Defense)</b> - Paris, France<br>Built the new stream processing platform based on Spark and Kafka<br>Developed our custom ETL with Akka<br>Worked with a legacy, Storm-based, stream processing platform<br>Wrote Pig jobs<br>Technical environment: Scala, Java, <a href="#">Spark</a> , <a href="#">Kafka</a> , <a href="#">Akka</a> , <a href="#">Storm</a> , <a href="#">Pig</a> |
| Sep 2014 - Feb 2015 | + | <b>Technical lead, Teradata - University of Technology of Compiègne</b> - Compiègne, France<br>Built a data warehouse and the ETL process associated with real world retail data<br>Applied pattern recognition techniques to the same real world retail data<br>Technical environment: SQL, R                                                                                                                                                     |
| Jun 2014 - Sep 2014 | + | <b>Software engineer, Snowplow Analytics</b> - remote<br>Built a RESTful API for <a href="#">Iglu</a> , a machine-readable JSON schemas repository<br>Technical environment: Scala, PostgreSQL, <a href="#">Spray</a> , <a href="#">Akka</a> , <a href="#">Slick</a> , <a href="#">Swagger</a>                                                                                                                                                     |
| Feb 2013 - Feb 2014 | + | <b>Software engineer, SAP</b> - Galway, Ireland<br>Made an internal testing tool compatible with new software running on SAP Hana<br>Built a data warehouse and the dashboards/monitoring tools associated<br>Technical environment: C#, Microsoft SQL Server, SAP Hana, WPF, WCF                                                                                                                                                                  |

## PROJECTS

- 
- |                    |   |                                                                                                                          |
|--------------------|---|--------------------------------------------------------------------------------------------------------------------------|
| Nov 2015 - present | + | <b>Kaggle competitions</b><br>Machine learning contests on <a href="#">Kaggle</a>                                        |
| Feb 2015 - present | + | <b>Open source contributions</b><br>Diverse contributions to <a href="#">Spark</a> and <a href="#">Twitter Storehaus</a> |
| Apr 2014 - present | + | <a href="#">benfradet.github.io</a><br>Personal blog containing mostly machine learning related articles                 |
| Dec 2013 - present | + | <a href="#">RiotSharp</a><br>C# wrapper around <a href="#">the Riot Games API</a>                                        |

## EDUCATION

- 
- |                     |   |                                                                                                                                                                                                                         |
|---------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sep 2009 - Jun 2015 | + | <b>Diplôme d'ingénieur en informatique (Master in Computer Science)</b><br>focused on data science and machine learning: SVM, neural networks, KMeans, etc<br>University of Technology of Compiègne (Compiègne, France) |
| Aug 2011 - Feb 2012 | + | Semester in Sweden studying image processing and biometrics<br>Högskolan Dalarna (Borlänge, Sweden)                                                                                                                     |
| Jun 2009            | + | French baccalauréat concentration Mathematics with (high) distinction (high school diploma)<br>Lycée Blaise Pascal (Châteauroux, France)                                                                                |

## SKILLS

### Computer Science

General purpose programming languages	Scala, Java, Java
Scientific computing programming languages	R, Octave/Scilab/Matlab
Development tools	vim, IntelliJ, Git, maven

### ACTIVITIES

---

Cross-training, swimming, running, handball, skiing/snowboarding  
Reading technical books (on machine learning and computer science)