

Matthieu Rudelle

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EDUCATION

EPFL - ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

MASTER OF COMPUTER SCIENCE

Sep 2014 - Mar 2017

Lausanne, Switzerland | GPA: 5.2 / 6.0

Main courses includes distributed information systems, IT security, big data and machine learning.

BACHELOR OF COMPUTER SCIENCE

Graduated | 2011 - 2014

Main courses includes computer network, algorithmic and many subjects in mathematics and physics

GPA: 3.7 / 4.0 - Ranked 4th among over 70 finisher bachelor students

UOB - UNIVERSITY OF BRISTOL

Academic exchange 2013 - 2014

Bristol, UK

Focus on product software engineering, databases, internet computing and system security

LINKS

Github:// [mrudelle](#)

Portfolio:// mrudelle.com/projects/

SKILLS

Extended knowledge & experience:

Java • JavaScript

Important practice:

C++ • Scala

Academic knowledge:

C • Shell • Perl • Python • Prolog • SQL

Web dev, personal projects:

JavaScript • NodeJS • Meteor • Angular

Python • Django

HTML5 • PHP • SCSS • LESS

Self-learning:

Android • \LaTeX • MySQL

Languages:

French: mother tongue

English: C1 (CEFR) (fluent)

German: A2 (CEFR) (written and read)

Miscellaneous:

2015: Facebook Hackathon

2013 & 2015: Helvetic coding contest
(4.5h for 18 exercises)

EXPERIENCE

GOOGLE | SOFTWARE ENGINEERING INTERN

Jul 2015 - Oct 2015 | Mountain View, CA, USA

- Cloud Datastore team: design and develop a framework for interactive tutorial.
- Product was implemented from scratch including: **UX design**, UI mockups and implementation on **AngularJS with Google Closure**. All written for production and hopefully released in the near future, having an impact on thousands of developers across the globe.

EPFL | ACADEMIC PROJECT (GROUP OF 10 STUDENTS)

Feb 2015 - May 2015 | Lausanne, Switzerland | [//github.com/devsearch-epfl](https://github.com/devsearch-epfl)

- Make **Github code searchable** in a language-agnostic manner.
- Distributed searching of over **70M source files**, optimized for real-time.
- Personal contribution focused on designing a PageRank for repositories & implementation of a distributed lookup in **Scala**, using **Akka** messaging service.

LCAV @ EPFL | SUMMER INTERNSHIP & MASTER PROJECT

Jul 2014 - May 2015 | Lausanne, Switzerland

- Web app to visualize, relight and manipulate artworks in a 3D environment.
- Back-end (**Django**, **Apache**) & front-end development (**WebGL**, HTML5, JS) featuring a responsive gallery of paintings along with a user friendly interface.
- Semester project: Implementation of a **virtual texture engine** handling high resolution images up to **65k x 65k pixels** and improved liveness.

UOB | BACHELOR PROJECT (GROUP OF 6 STUDENTS)

Oct 2013 - May 2014 | Bristol, United Kingdom | [//github.com/Keesaco](https://github.com/Keesaco)

- **Google App Engine**: Collaborative web app for medical & research purposes.
- Work in relation with a company specialized in web development.
- Personal contribution focused on building a **responsive UI**, creating a user-centered interface, and pagelet generation in **Django** for the backend.

EPFL | TEACHING ASSISTANT

2013 & 2015 | Lausanne, Switzerland

- Computer science **project assistant**: supervision & correction.
- Help students getting started and understand the inner workings of Java.

ALPRECO | SOFTWARE DEVELOPMENT INTERN

Jun 2012 - Jul 2012, 2013 & 2014 | Grenoble, France

- Food analysis reporting software developed from scratch in **Java**: **~8Kloc**.
- Features: parse raw bacteriological results, generate PDF certificates, manage **~10k reports/year** & a user-centered interface for semi-automatic generation.
- Solution replaces the old production system since July 2012: paperwork time cut in half: **~300 hours gain per year**.

OTHER

FORUM EPFL | EVENT VOLUNTEER

October 2013 | Lausanne, Switzerland

- Event connecting frms with students
- Situation: firm support (reception, supervision) and logistic.