

Joachim Desroches

Personal Details

BIRTH: 19th March 1996 | French
EMAIL: joachim.desroches@epfl.ch

Languages

ENGLISH: Native speaker FRENCH: Mother Tongue
GERMAN: Limited working proficiency

Computer Skills

Languages: Haskell, Scala, Rust, C, Elm, Shell, Java.
Operating systems: System administration experience with GNU/Linux.
 Troubleshooting experience for Windows, Mac OS and GNU/Linux.
Tools: git, vim, regular expressions, standard tty utils..

Work Experience

JUL. - SEPT. 2018	Software engineer intern at Bity S.A. I worked writing Haskell for Bity, a swiss cryptocurrencies broker. I was part of a two-man team rewriting one of their business-logic backend using servant , a library to define and implement web APIs in a type-safe manner.
APR. - JUL. 2018	Research Assistant at LARA (EPFL) I worked at LARA (Laboratory for Automated Reasoning and Analysis), researching lifting exceptions into the type system in stainless , a static scala verification tool.
JULY 2016 to now	Helpdesk Employee at Poséidon (EPFL) I provide software and hardware troubleshooting at Poséidon, EPFL's student IT helpdesk.
JAN.-FEB. and JULY 2016	Intern at ALGOLMA (EPFL) I researched and documented the cluster setup now used in the lab, and ported a gstreamer module encoding arbitrary data streams using the ALGO raptor code to gstreamer's latest version.
JAN. 2016 to now	System Administrator at GNU Generation I am one of the two-member team who manages GNU Generation's servers and IT infrastructure.

Education

Sept. 2018 CS master in foundations of software at EPFL, Lausanne.
2015-2018 CS bachelor at EPFL, Lausanne.
2014 Baccalauréat Scientifique, mention très bien, félicitations du jury.

Extra-scholar certificates

2014, 2018 Driving licence B, C1+118 (in progress)
2016 - 2018 Various firefighter and sanitary classes (IAS lvl 2 first aid, SCBA training)
FEB. 2015 Brevet de Surveillant de Baignade (BSB-ASM)
JUNE 2013 Brevet d'Aptitude aux Fonctions d'Animateur (BAFA)

Interests and Activities

SDIS CHAMBERONNE: I am engaged as a volunteer firefighter at my local firehouse since January 2016, and participated to the 2017 and 2018 cantonal contests during which our team finished 3rd and 5th.

EPFL DSPS & SDIS: I am also engaged in my university's volunteer firefighter force and health workers, involving providing fire safety, first aid and care during the different events on campus.

GNU GENERATION: I am the system administrator and an active member of EPFL's free (libre) software promoting student club.

I am generally interested by anything involving taking apart, understanding and putting back together things, litterature (reading and [writing](#)), and trekking.