

André VIDELA

FUNCTIONAL PROGRAMMER / ASPIRING TYPE THEORIST

PERSONAL DATA

PLACE AND DATE OF BIRTH: Switzerland | 20 August 1991
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BIO

Fascinated by programming languages, I seek excellence, correctness and beauty in code. I work a lot in Idris and Haskell trying to build real-world software out of provable programs. My deepest interests lie in type systems and programming language theory and design. In my free time I organise the [Software verification meetup](#) in Lausanne and I play video games.

WORK EXPERIENCE

APR. 2018	Backend Developer at Bity SA (Neuchatel)	
DEC. 2018	Lead a new project from scratch to production which aimed to provide a common API for interacting with cryptocurrency nodes. The goal was to enable easy management of additional cryptocurrencies and provide strong guarantees about the business logic by leveraging the Haskell type system and using thorough testing practices.	Haskell
OCT. 2017 - JAN. 2018	Mobile Developer at Krown SA (Geneva) Developed and maintained iOS app for business customers	Swift, Rx
OCT 2016 - JUNE. 2017	Software Engineer at Sicpa, Lausanne Designed, developed and maintained internal and public APIs and libraries for iOS. Developed and maintained small and medium scale iOS apps using agile Scrum.	Swift, Obj-C
MAR. 2016	Release of Arcaea for Android and iOS by lowiro (Remote) Designed and implemented a DSL to describe music notes in 3D and developed parsing and checking tools	C++, Javascript
SEPT 2015 - JULY 2015	Internship at KABOTIP, Tokyo (Remote) Developed micro-services in Clojure for the Kabotip platform. Namely the mobile notification service and the automatic moderation tool for user comments.	Clojure, Redis

EDUCATION

2017 - 2019	Licence in Computer Science at Unidistance (remote)
July 2017	EUTypes summer school (Coq, Agda, HoTT, λ -calculus)
May 2017	Introduction to Logic by Stanford University on Coursera. statement of accomplishment
2012 - 2016	Attended Bachelor in Computer Science at EPFL, Lausanne Collected 131 credits
2007 - 2012	Maturité Gymnasiale (physique et application des math)

LECTURES AND PROJECTS

ONGOING	Reading <i>Quantitative Type Theory</i> by Robert Atkey	Type Theory, Idris 2
FEB. 2018	Interviewed for the Corecursive podcast: 007 - Total Programming Using Swift with Andre Videla	Swift, Idris
DEC. 2017	Gave a talk about Idris and dependent types at the Software verification meetup.	Idris
OCT. 2017	Read <i>State Machines All The Way Down</i> by Edwin Brady	Idris
SEPT. 2017	Read <i>Kleisli arrows of outrageous fortune</i> by Conor McBride	Haskell (SHE)
AUG. 2017	Presented work on <i>Total Parser Combinators</i> by Nils Anders Danielsson for a small local conference (VOD on youtube)	Idris, Agda

(PROGRAMMING) LANGUAGES

Mastery	Swift, Java	FRENCH:	Mothertongue
Excellent	Scala, JS, Obj-C, Haskell	ENGLISH:	Fluent
Intermediate	Idris, Clojure, C++, C, C#	SPANISH:	Good speaker
Beginner	Coq, Rust, Agda	JAPANESE:	Basic knowledge