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Born 1987
French Citizen, Canadian Visa
Married, 3 children

Academics

2006 - 2010	**Ecole Polytechnique**	*MS in Computer Science*

Entrepreneurial activity

2008 - 2009	**beouifi.org** *wifi captive portals funded by advertisement ; won an entrepreneurial contest. 100 users (cafés, hostels)*
2009	**corefarm.org** *built a 3d rendering farm for Blender 3D using the Yafaray engine, dispatching the work on a grid of personal computers. over 1000 users trading their CPU time*
2010	**corefarm.com** *3d rendering farm for Blender 3D in AWS. 100 users, commercial failure, opensourced*
2011 - 2013	**besport.com** *cofounded a sport social network, hired a team of 9 engineers, raised 1.2m$*
2013 - 2014	**rambugo.com** *built an experimental marketplace for on-demand regional flights in Northern California using light aircraft*
2015	**social playbooks** *built a non-profit social app connecting families and providers of children activities in San Francisco*
2017 -	**accret.io** *the factory-as-a-service*

Contracting activity

2010 - 2011	**hypios.com** *led a team of 3 engineers, built a scientific problems' marketplace connecting research centers and industrial users*
2011	**issuu.com** *designed and implemented an ad network in OCaml including real-time ad presentation and offline processing of 150M documents, handed over the code to the team in Copenhagen*
2013	**stretchinc.com** *designed and implemented a full stack prototype of a cloud based/html5 DVR, including embedded C code in HD cameras, AWS S3 storage and real time video re-encoding using ffmpeg*
2013	**referrallama.com** *designed and implemented a full stack prototype of a referral platform on top of LinkedIn*
2013 - 2016	**sumologic.com** *worked with the Search Performance team to design and implement a real time log ingest and search component that handles 5Tb+/day. designed and implemented a metrics collection and storage platform handling 2M dps from Kafka to Cassandra, deployed in AWS*
2015	**lumity.com** *built a full stack healthcare sales platform on top of Lumity's proprietary optimization engine*
2016	**alloy.ai** *built a prototype of metrics collection and search platform handling 1.5B events from Kafka to ElasticSearch, deployed in Kubernetes/GCE*
2016 -	**logichub.com** *detection, classification and prevention of security breaches at scale*

Aeronautical Experience

— FAA CMEL, Instrument Rating
— 550 hours TT, 200 ME, one Atlantic crossing
— Clean record

Talks

2010	**OCaml meeting 2010** *« the collaborative rendering farm : a JoCaml grid »,* `http://bit.ly/1N5kRXU`

Skills

— Programming in Ocaml (including Camlp4), Scala (including Akka), Js, SASS
— Programming in C/C++ (including Boost, OpenCV, MPI)
— Developing and scaling with AWS technologies and Google Compute Engine, including Kubernetes
— Working with large codebases spanning several teams
— Defining elegant and scalable architectures
— Defining and implementing prototypes and MVP's
— DIY hardware development, rep rap printers, raspberry Pi, basic electronics, OpenSCAD
— Part 135 legal landscape

Open source

— Wing leveler for GA aircraft, `https://github.com/accretio/wingleveler`
— Gripper for robotic arm, `https://github.com/accretio/thortools/tree/master/thorgripper`
— AWS OCaml client library, `https://github.com/williamleferrand/aws`