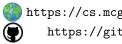
Alexandre Beaulne

▶ alex@a14e.me French and English

WORK EXPERIENCE



WORK EXPERIENCE	
Quant Developer Intern Akuna Capital	06/2018 - 08/2018 Chicago
- Implemented a new automated trading strategy for auction participation that was deploy	yed to production
- Migrated orderbooks consumption from snapshots to incrementals, shaving single-digits a	seconds in latency
Data Scientist	01/2016 - 03/2017
Eclipse Trading	Hong Kong
- Researched, designed and implemented a data pipeline to enable fast and accurate data-	~
- Developed fine-grained statistical analyses of trading algorithms latency and performance	- ,
Junior Software Developer	06/2013 - 12/2015 Hong Kong
Eclipse TradingCo-lead design and implementation of critical component of infrastructure transporting in	Hong Kong
of data points daily across Asian exchanges, yielding vast improvements in uptime and la	atency
Python Developer	07/2012 - 12/2012
Demand Analytics	Hong Kong
 Wrote bots in Python that systematically crawl the web and collect targeted data Built infrastructure to clean, store and query collected data in NoSQL database 	
- Built infastructure to clean, store and query conected data in NoSQL database - Heavy use of open-source technologies including Unix, MongoDB, PostgreSQL, Git	
Database Applications Developer	04/2011 - 12/2011
Innocap Investment Management	Montreal
(National Bank of Canada & BNP Paribas)	
- Developed and optimized complex queries in object-oriented MS SQL Server	
- Automated the reporting of assets under management, Profits&Losses, Value-at-Risk ar knowledge for both quantitative risk management and relational databases	nd stress tests, leveraging my
- Acted as liaison between Investors Relations team and IT department, mapping business	issues to technical solutions
EDUCATION	
M.Sc. Computer Science	01/2017 - 08/2020
Université de Montréal	Montreal
- Coursework: Algorithms, Machine Learning, Deep Learning, Reinforcement Learning	
Recurse Center	02/2013 - 05/2013
- Three-month immersive retreat for becoming a better programmer	New York City
- Spent time learning about Python networking and concurrency models	
M.Sc. Financial Engineering	2009 - 2012
Université de Montréal - HEC Thesis en eucleaner estas completion modelling, eutrest euclichle et http://comp.com/ei	Montreal
 Thesis on exchange rates correlation modelling, extract available at http://ssrn.com/a Presented results at IFM2 2012 Mathematical Finance Days, a financial mathematics con from six continents 	
CFA designation	2009 - 2011
- Completed the three exams, charter pending application	
B.Sc. Computational Neuroscience	2006 - 2009
McGill University	Montreal

- Undergraduate thesis on statistical analysis of neuronal activity in macaque's visual cortex

- Graduated with Distinction

TECHNICAL SKILLS

Languages:	Python 3 (numpy, pandas, pytorch), Q, Erlang
Databases:	Kdb/Q, PostgreSQL
Software/tools:	Amazon AWS, Docker, Git, bash & UNIX, LATEX