JAMES BURY

EXPERIENCE _____

JAMES DORT			
jamesbury.ca	May 2020 – Present	Backend Developer (Python, Postgres, Django, Flask)	
S montival.ca		 Took ownership of new features for Django & Flask microservices including AWS file hashing, duplicate file detection, and async email notifications (background tasks) for file uploads. 	
🤀 jabury@uwaterloo.ca		 Reduced the developer time all writing management commands adding Sphinx documentation. 	lotted for debugging tenfold by , rewriting the Admin Panel, and
	Sept 2019 – Dec 2019	Cyber Security Analyst (Python, Django, PowerShell)	Royal Bank of Canada
in/james-bury/		 Combed through RBC's massive stack of daily network logs with Python/Django to report suspicious actors. 	
🧊 github.com/d3an/		 Automated threat hunting investigations for suspicious Power- Shell commands and DNS requests from SWIFT servers. 	
SKILLS ———		 Developed an internal library Python. 	for parsing phishing emails in
Languages	Jan 2019 – Apr 2019	Red Team Developer (Python, Bash, Flask) • Developed malware in C# to hac	TD Bank k "secure" systems.
		 Automated event logging for hacking engagements. 	
<pre></pre> <pre>/> JavaScript</pre>		 Took ownership of the team's Th 	reat Matrix app in Python/Flask.
<pre> Go </pre>			
	PROJE	CTS	
Libraries & Frameworks	Present	Quant Finance Research System (Python) • Starting from QuantStart.com and the Successful Algorithmic	
		Trading book, built a basic event	
<pre>> Django > React</pre>		 Currently adding historical data sets and learning to use machine learning to generate profitable strategies. Research interests include pairs trading, unusual market maker movements, and mean reversion surrounding earnings surprises. 	
<pre> Flask Selenium </pre>			
Yetest <p< th=""><td></td></p<>			
Web Assembly		Wrapper for FinViz Stock Sci	
Systems & Tools	Aug 2020	 (Go) Published a Go module and CLI that scrapes data from the FinViz Stock Screener. 	
Systems & Tools			
Bloomberg AWS		 Maximized screen results per request from 20 tickers to 1000. 	
Capital IQ Git	Dec 2019	Monte Carlo Vanilla Options Pricer	
PostgreSQL	Dec 2019	 (C++, Web Assembly, JavaScript, React) Learned to develop object-oriented option pricing models. 	
Linux			
		 Coded the Monte Carlo simulations in C++, compiling to Web As- sembly for the Cloudflare Workers. 	
READINGS ———			
In Progress	EDUCA	CATION	
A Man For All Markets		Computing & Financial	
Successful Algorithmic Trading	2017 – 2022	Management	University of Waterloo
Finished		Object-Oriented Programming Eunstional Programming	Corporate Finance Financial Accounting
_		 Functional Programming Data Structures 	Financial AccountingFixed-Income Securities
Hacking: The Art of Exploitation			
Max Dama on Automated Trading			
📒 The Black Swan			
📒 The Man Who Solved The Market	September 21, 2020		JAMES BURY