

# THOMAS HOLLIS

 Dual French/British National  
 hollis.t@icloud.com

[www.thomashollis.com](http://www.thomashollis.com)   
[github.com/PsiPhiTheta](https://github.com/PsiPhiTheta) 

## EDUCATION

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**University of Toronto** (2018-2020) Toronto, Canada  
MSc in Applied Computing (Machine Learning) - GPA: 4.0/4.0  
Select courses: Machine Learning & Data Mining, Neural Networks & Deep Learning, Blockchain Eng.  
Master Thesis: Machine Learning Forecasting for Financial Fundamentals in Long-Term Value Investing

**The University of Manchester** (2015-2018) Manchester, UK  
BEng (Hons) in Electrical & Electronic Engineering - GPA: 84.3% (1<sup>st</sup> Class, top 5% of the class)  
Select courses: Digital Systems Design (96%), Mathematics (93%), DMC (92%), C programming (88%)  
Bachelor Thesis: Deep Learning Algorithms Applied to Blockchain-Based Financial Time Series (92%)

## WORK EXPERIENCE

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**Bloomberg – Team Leader** (Nov 2025 – Present) London, UK  
Entities & Private Markets datasets (DES, RELS & PSCR). Managing a team of 9 data eng & 150 vendors.

**Bloomberg – Quality Product Manager** (Oct 2023 – Nov 2025)  
Setting strategy around data quality for the Company Financials datasets (MODL product, ~300 employees)

**Bloomberg – Team Leader** (Mar 2022 – Sep 2023)  
Earnings Estimates datasets (EEO & ANR products). Managing a team of 8 data engineers in agile scrums.

**Bloomberg – Data Analyst** (Feb 2020 – Feb 2022)  
Equity Corporate Actions dataset (CACS product). Notable projects: dividend extraction automation via NLP (improving publish speed to 50% under 5min), SEDOL entity mapping automation (improving coverage to 99%), restructuring data models, onboarding new stock exchanges, publishing news stories...  
Technologies used: Airflow, Kafka, Oracle RDBMS, SOLR, Jira/JSD, Bloomberg APIs, BQNT, BQL...

**Valsys – Machine Learning Engineer** (May 2019 – Dec 2019) London, UK  
Machine learning research in a fintech startup. Research focussed on machine learning forecasting for company financial fundamentals in long-term value investing (quantamental time series modelling).

**Airbus, MBDA – Electronic Engineer Intern** (Jun-Aug 2016, Jun-Aug 2017) Stevenage, UK  
Lead the summer placement team in missile electronics. Designed a comprehensive solution to power distribution architecture issues of defence systems. Details bound by UK's Official Secrets Act (1989).

## SELECT PROJECTS

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**LSTM Attention** – Investigation into adding Attention to LSTMs in time series (developed, in Python/TensorFlow)  
**ESP-18** – Line following racing bot using autonomous PID control and proximity sensing (built & developed, in C)

## LANGUAGES & SOFTWARE

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**English** (Native - ILR level 5), **French** (Native - ILR level 5), **Spanish** (Professional - ILR level 3), **Corsican** (ILR level 1)  
**Programming** Python (Proficient); C/C++, R, SQL, MATLAB, UNIX/Bash, JS, Assembly (Conversational)  
**Tools & Libraries** Git, NumPy, Keras/TF, PyTorch, Scikit-learn, React, Vitess, ChatGPT Prompt Engineering...

## AWARDS & CERTIFICATIONS

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**Pelmorex Scholarship in Applied Computing**  
Addictive Mobility, University of Toronto (2018)  
**Bachelor Thesis Project Prize (1st of 250 classmates)**  
The University of Manchester (2018)  
**NI Engineering Leadership Scholarship**  
National Instruments (2016)  
**UK National Security Clearance (SC)**  
Security Vetting (Defence Business Services/MoD)  
**Interests:** Optimisation, Blockchain, Consciousness, Triathlon, Competitive Swimming, Baroque Piano (Grade 7)

**Mitacs Accelerate Fellowship (C\$30,000 grant)**  
Canadian Government, University of Toronto (2018)  
**BCG Mentorship Competition Winner (top 5%)**  
Boston Consulting Group (2017)  
**Hackathons & Coding Competitions**  
Kaggle (various), Google (2016-2019), MLH (2017)  
**Accredited Engineering Technician (EngTech)**  
Institution of Engineering and Technology (IET, 2017)