

PERSONAL DETAILS

Name Emmalyn
Notice Period Available Immediately

SUMMARY

5 years' experience and auditable track record working with numerous sophisticated capital markets firms across asset management, investment banks and wealth managers. A strong and proven track record in precision risk analytics, ***accurately producing early warning signs of unforeseen risk, inventing a market leading predictive risk framework***. Strong team player, energised to support analysts, portfolio managers and risk officers across sectors and global teams.

SKILLS AND WORK EXPERIENCE

BlueFireAI
Senior Risk Analyst

August 2016 - Present

DELIVERABLES

- Ensures the **firm consistently preserves basis points** by reallocating capital more efficiently away from higher risk towards more performant investments.
- **Achieves substantial cost savings across the business**, reducing the cost of covering a single company by up to 90%. This facilitates a change in the business model, moving away from simply adding people to establishing a cheaper unit cost of risk monitoring by leveraging AI.

OBJECTIVES

1. Produce and refresh daily a predictive risk status on each of the companies covered across multiple portfolios. A strong team player, lifting accuracy in early warning of risk from around 37% to above 65% and allowing the senior members of the team to concentrate on higher value activities.
2. Provide the team with a clear view of all the risk events around a company and update this daily for all team members across all companies.
3. Deliver a company financial snapshot on each company to "bridge" team members efficiently into a directed deep dive.

SKILLS

- Experience in analysing ~10,000 global companies including ~1,600 Onshore Chinese companies across all sectors and at a consistently accurate level of precision.
- Strong balance sheet and cash flow analytical experience, specific training on forensic risk and risk patterning.
- Developed efficient techniques to read and track event risk in listed companies utilising skills in English and Mandarin reading all the available news on all monitored companies daily.
- Over the last 10+ years built valuable relationships with leading bond and equity institutional investors. In constant contact to understand their changes in risk perception around companies in the portfolio.
- Created dialogue with the Analyst community and established regular dialogue to understand the forward-looking risk views on portfolio companies.
- Strong equity market experience, specific skills in identifying short selling clusters, trend shifts and collapse patterns in equity prices.
- Spent the last two years learning corporate bond markets and can now identify negative idiosyncratic bond moves which may give early warning signs of more significant stress-related moves in the parent.
- Built unique models to compare portfolio companies across sector, geographies and wider portfolios to understand the context of individual company risk and ascertain if it is truly idiosyncratic.

EDUCATION

Singapore University of Technology and Design (SUTD) 2017 – 2018

- Singapore government funded research and development into machine reading in Mandarin. Achieved global number 1 ranking, white papers published in the prestigious Association for the Advancement of AI (AAAI Silicon Valley).

MIT 2018 – Present

- Formal collaborative study in developing precise risk categorisation technology for machine sense making in English.

ADDITIONAL SKILLS

- Fluent in English and Mandarin.
- Ability to work seven days a week, 24 hours a day.

AWARDS/ACHIEVEMENTS

WatersTechnology Asia Winner of Best AI-Based Solution 2021

FINOPITCH JAPAN 2021 MUFG Innovation Award Winner for most Innovative Solution 2021

Selected by Amazon as potential to be a FinTech leader ready for expansion in the USA (HQ) hosted at Seattle and New York (Client Introductions). 2020

Symphony innovation award, the early identification of unforeseen risk and the unique delivery over bots. 2019

Winner of the Hong Kong FA Fin-Tech Artificial Intelligence Award. 2019

The United Kingdom Department of International Trade (DIT) award enabling UK-based Investors access to Chinese Markets. 2018

IMAS Digital Program Award, the 'Players Player Award' by Asset Manager GEOs who recognized a solution to a real industry problem. 2018

IA Velocity program awards, voted by 25 London Asset Managers as solving China A-Shares investment problem for them. 2018

PUBLICATIONS

Mining Evidences for Concept Stock Recommendation 2018
Proceedings of NAACL-HLT 2018, pages 2103–2112 New Orleans, Louisiana, USA
c2018 Association for Computational Linguistics

Word-Context Character Embeddings for Chinese Word Segmentation 2017
Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing, pages 771–777 Copenhagen, Denmark
c 2017 Association for Computational Linguistics

Transition-Based Joint Extraction of Entity Mentions and Relations, 2017
AAAI Press, Association for the Advancement of Artificial Intelligence,
2275 East Bayshore Road, Suite 160, Palo Alto, California 94303

Knowledge-Driven Event Embedding for Stock Prediction 2016
Proceedings of COLING 2016, the 26th International Conference on Computational Linguistics: Technical Papers, pages 2133–2142, Osaka, Japan

Measuring the Information Content of Financial News 2016
Proceedings of COLING 2016, the 26th International Conference on Computational Linguistics: Technical Papers, pages 3216–3225, Osaka, Japan