MIG GEBRIL

migdam.gebril@gmail.com M: 646 641 2276

 WORK HISTORY –	

Software Engineer, 06/2017 to Current

Geneva Energy Markets – New York, NY

- Designed new WCF service protocols that improved the bandwidth of new fills cleared on an exchange to clients from 700 transactions/second to 3200 transactions/sec.
- Reduced throughput consumed by intraday PnL service by 85% 90%.
- Expanded pricing engine and position management application to support more than double the amount of contracts in futures, swaps, and options markets.
- Developed a new implied pricing engine that aggregated products into blended markets, generated curves for trader-configured inter-product and calendar spreads, and triggered automatic executions in these synthetic markets through the outright legs that achieved the implied order.

Web Developer, 10/2015 to 06/2016

Aplin Partners – Silver Spring, MD

- Developed MS Access prototypes of administrative web applications for various government agencies.
- Helped develop an event management platform prototype to production for the Department of Veteran Affairs. Implementation of a Go back-end provided for tenfold reduction in server load.

Cofounder, 01/2014 to 06/2017

Bayes Optimal – Fairfax Station, VA

- Developed applications for early-stage companies, acted as their technical lead, and closely consulted on go-to-market strategy.
- Used a Support Vector Machine for language classification to detect counterfeit product listings on online marketplaces with 95% precision at 40% recall.

Skills: C# Proficient, Go Proficient, Java Proficient, SQL Proficient, Scala Experienced,
Python Experienced, C++ Experienced, x86 Experienced, MongoDB Experienced
EDUCATION

New York University, Courant Institute of Mathematics – New York, NY

Bachelor of Arts: Computer Science, Minor in Web Programming, 2017

GPA: 3.6 / 4.0