Samuel B. Hatch

Lehi, Utah
801-369-5830
samhatch@gmail.com
www.linkedin.com/in/sbhatch

SKILLS

Math	Python	Tableau
Excel	R	Power BI
Teaching/Mentoring	SQL	Bloomberg Terminal
Financial Modeling	Essbase	Lean Six Sigma (Green Belt)
Databases		

EDUCATION

University of Alberta

Masters of Science in Mathematical Finance **Graduated June 2009**

- Master's Degree Project: "Pricing Options in Incomplete Markets Driven by Levy Processes".
- MBA courses in Accounting, Economics, Risk Management, and Investments.

University of Houston

Masters of Science in Mathematics **Graduated December 2004**

- Master's Degree Project: Professor guided tutorials in Logic and Lattice Theory.

Utah Valley University

Bachelors of Science in Mathematics **Graduated April 2003**

WORK EXPERIENCE

Upwell Health

Lead Business Intelligence Developer **March 2019 to July 2019**

- Cloud Infrastructure (AWS): Worked with Amazon Web Services S3, EC2, and RDS instances to develop a new data warehouse.
- Python Programming: Built multiple web scraping scripts to collect data from partner sites for ETL purposes; built a script to automatically update a screenshot of a Power BI report for company-wide display.
- Microsoft Dynamics CRM: Created ETL processes in SSIS to pull data from CRM into our new data warehouse in RDS.

Woodside Homes

Senior Business Intelligence Developer **November 2017 to March 2019**

- Built Excel based forecasting model that is used for forecasting at the Community, Division, and Company level.
- Experience with new Microsoft products including Power BI, Graph API, Power Apps, and Flow.
- Administrator for legacy Oracle Essbase cube and the newly implemented Essbase cube.

WORK EXPERIENCE (Continued)

Peoples United Bank

Quantitative Analyst/Developer **February 2017 to May 2019**

- Working with traders to create a front office system for pricing, trading analysis, automation, alerts, and monthly reports.
- Creating tools to work with real-time data in Bloomberg, Mysis, and OPICS.

Peoples United Bank

Quantitative Analyst/Trader **July 2015 to October 2016**

- Created an automated process for pre-payment fees with which was used to calculate pre-payments that were not submitted as well as partial pre-payments reallocating over $1MM of revenue to the profit center in the first 4 months of implementation.
- Trader with $100MM notional limit per trade on interest rate derivatives and USD $20MM notional limit per trade on FX derivatives.
- Created multiple Excel tools to assist in automating manual processes involved with trades, linking to Bloomberg data, pricing FX deals, documentation of trades, automation of pre-payments, and calculating internal rates.

Woodside Homes

Senior Financial Analyst/Developer **September 2014 to July 2015**

- Implemented error tracking for all financial data loads and built a table with a data load status summary.
- Reduced data load time from 11 hours to 2 hours by rewriting the SQL stored procedures to run more efficiently.
- Designed and built in Tableau executive and operational dashboards.

The Hartford

Senior Financial Analyst; Risk Analyst; Associate Risk Analyst **July 2009 to March 2014**
Actuarial Summer Intern **May 2008 to August 2008**

- Developed the simulated hedging process for forecasting improving run time from 1 week to 3 hours; modeled various hedging strategies and derivatives including bonds, options, FX.
- Ran the simulated hedging model for asset exposure (US Variable Annuities).
- Ran the Japan and UK liability models in MoSes and US hedging models for the variable annuity quarterly forecasting.
- Managed an Actuarial Student.

University of Alberta

Teaching Assistant **September 2007 to May 2009**

- Statistics lab instructor.
- Grader for a theory of interest course.

Utah Valley University

Adjunct Instructor (Developmental Mathematics Department) **May 2006 to August 2007**