

Technology Summer Analyst Technology Summer Analyst Technology Summer Analyst Jersey City, NJ Authorized to work in the US for any employer Work Experience Technology Summer Analyst RBC Capital Markets - New York, NY June 2017 to August 2017 Developed a multi-threaded Symphony chatbot Leo with a RESTful server in Java Implemented OpenNLP models to identify queries, translated JSON from 3rd party APIs Connected to AWS RDS database with Spring JDBC. Was extended a full-time offer Data Scientist Intern Lepu Medical Technology Co., Ltd - Beijing, CN June 2016 to August 2016 Developed MySQL database optimization, provided weekly reports on user behavior analysis Conducted channel analysis and simulated user growth with GLM, random forest and B-splines Python Developer Intern Houpu Yuntu Asset Management - Ann Arbor, MI September 2015 to May 2016 Developed Python scripts to calculate technical indicators, facilitated in portfolio trading Researched on stock market indices with recursive partitioning and random forest Education MS in Computer Science - Data Science Columbia University December 2017 BS in Honors Statistics, Applied Mathematics, Financial Mathematics University of Michigan - Ann Arbor - Ann Arbor, MI May 2016 Skills PYTHON (Less than 1 year), TRADING (Less than 1 year), ALGORITHMS (Less than 1 year), APACHE HBASE (Less than 1 year), DATA ANALYSIS (Less than 1 year) Additional Information SKILLS Programming Languages: C++, Java, Python, SQL, R, Spark, Hadoop, Matlab Operating Systems: Windows, Linux, Mac OS RESEARCH PROJECTS Stock Exchange Simulator New York, NY Designed an e-trading simulator in C++, optimized latency with max-heap and min-heap Applied customized priority-queues, hash-tables and binary search trees to store stock information Yahoo User Behavior Modeling System New York, NY Constructed HBase with 4GB data, analyzed Yahoo advertisement click-through rate (CTR) Researched on user interests with PCA, logistic regression and multinomial Na Bayes models ?ve Database Transaction Recovery Management Ann Arbor, MI Developed a log manager simulator, implemented ARIES recovery algorithm in C++ Simulated stop failures from steal and non-force storage engines that support write-ahead logging Game Euchre and Blackjack Ann Arbor, MI Implemented card game simulators in C++, applied abstract classes, interfaces and polymorphism Designed winning algorithms for 3 types of players, either human or automated

Honors Thesis: Functional Data Analysis on Temperature Ann Arbor, MI      Functionalized daily temperatures of Detroit and Chicago over 40 years with B-splines in R      Estimated time warping functions by landmark registration and functional regression      Predicted Detroit data from Chicago, benchmarked with OLS model and completed a thesis

Name: William Hernandez

Email: gregorythompson@example.net

Phone: 001-338-984-0527x60287