

RICARDO VALDEZ

Chicago, Illinois

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EXECUTIVE SUMMARY

Seeking an entry level role that will take advantage of my quantitative abilities and understanding of financial markets.

EDUCATION

MITx 15.455x & 15.435x, Chicago

July 2021-present

Mathematical Methods for Quantitative Finance

Derivatives Markets: Advanced Modeling and Strategies

Illinois Institute of Technology, Chicago

September 2020

Master of Science in Finance courses

· MSF 502 Statistical Analysis in Financial Markets

· MSF 503 Financial Modeling

Illinois Institute of Technology, Chicago

May 2015

B.S. Applied Physics

EXPERIENCE

Freelance Programming

present

Data/Programming

Chicago, IL

- Processed and analyzed financial data for family office
- Automated and translated tasks from Excel to Python

South Side CompSci

June 2019 - present

Founder/Tutor

Chicago, IL

- Introduced fundamentals of Python to students
- Helped students with their computer science classes

Mind Hand

January 2019 - June 2019

Curriculum Development

Chicago, IL

- Consulted on community outreach for technology makerspace non-profit
- Developed introduction to Python curriculum

Independent Trading

August 2015 - February 2018

Equity Options/ETF Trading

Chicago, IL

- Studied Stochastic Calculus

Etrade OptionsHouse

July 2014 - February 2015

Data Analyst Intern

Chicago, IL

- Analyzed financial time series trading data using numerical Python
- Prototyped financial indicators given specified classifiers
- Coordinated the daily analysis and publication of equity earning reports
- Published highlighted derivative trades on paid subscription feed

Garmin Ltd.

June 2012 - March 2014

Sales/GPS Tech

Chicago, IL

- Assisted customers with product inquiries
- Diagnosed and configured GPS hardware and software issues

TECHNICAL

Computer Languages

Python, Octave, Matlab, C, C++, Mathematica, SQL, R

Tools

Jupyter, Pycharm, Visual Studio, Anaconda, Cygwin, Scipy, Linux, Pandas, Excel

Finance

Stochastic processes, machine learning, capital markets

Current Interests

Mean-field game theory, information geometry, Rust