

CORY L. STEWART

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<http://corydemopage.appspot.com>

PROFESSIONAL SUMMARY

Motivated self-starting financial professional with 13 years' experience. Seeking an entry-level position in software engineering that capitalizes on my engineering and finance background to strengthen my software engineering skills. Former portfolio manager on a team-oriented trading desk, where I used quantitative and statistical tools to trade and manage a large equity option portfolio. Excellent communication skills, strong work ethic, capable of seeing beyond the obvious solution to seek a deeper understanding of the task at hand.

TECHNICAL EXPERIENCE

Languages: Strong with Python; proficient in SQL/GQL, MongoDB, HTML/CSS, JavaScript, some knowledge Java
Tools and Frameworks: Git, Google App Engine, Jinja2, Bootstrap, jQuery

PROFESSIONAL EXPERIENCE

AerWaze, Menlo Park, CA

Aug. 2014

Software Engineer

Front-end/Back-end developer at an early stage start-up company.

- Worked with Business team to realize best ways to address user needs and strategic direction
- Designed and implemented GQL database for managing users and their relevant data
- Used Jinja2/Bootstrap to prototype responsive web front-end
- Created Python back-end linking the website with database
- Defined and implemented QA tools and processes in Python
- Designed, developed and executed automated tests

BBR Trading/G-Bar Limited Partners, Chicago, IL

2002-2012

Partner/Senior Trader/Executive VP of Strategy Development / Head of Broker Relations

Managed all components of multi-dimensional risk, including directional, volatility and second-order (curvature) risk. Executed trades using volatility arbitrage strategies including dispersion trading, realized volatility forecasting, sector based relative value trading and dividend/special situation plays. Managed external relationships with brokers at large banks and interdealer brokers. Negotiated rates and improved quality of order flow and executions.

- Volatility arbitrage specialist for a \$300 MM (notional) equity options portfolio, typically trading in multiple positions across hundreds of names
- Led efforts to identify and implement new trading strategies, including volatility arbitrage, sector-based relative value trading, special market situations, dispersion trading
- Created software tools to both find and execute trading opportunities
- Collaborated with quantitative analysis team to develop and implement pricing models, volatility forecasting models, and relative valuation models
- Worked with development team to create software that quickly adapts to new trading environments and trading strategies
- Did quality assurance testing and submitted detailed bugs reports for new versions of software
- Participated in the design of new features, worked with developers to prioritize new work based on business needs

G-Bar Limited Partners, Chicago, IL

1999-2002

CBOE Floor Market Maker / ISE Electronic Market Maker

Made both open outcry and electronic markets in numerous listed equity options, and managed risk effectively to keep market neutral positions. Helped to develop and implement the in-house Trader-Training program. Recruited, trained and mentored trader trainees in the firm's option education program.

CURRENT PROJECTS

Equity Option Position Model

- Integrated an existing python module for option pricing into an option position calculator. Used GQL to store option positions and pre-calculated option greeks for quicker pricing and position calculations.

Sudoku

- Created a python based Sudoku solver using various layers of Sudoku techniques to both solve and access the difficulty of a puzzle. Built a database of difficulty sorted puzzles by using the solver to create and rate new puzzles.

Art Collection Manager

- Created a web app that lets users upload photos of their art collection. Built a database that can store photos and descriptions of the art. Created a gallery view for easy viewing and editing of the collection.

EDUCATION

Bachelor of Science in Mechanical Engineering, May 1999, Washington University, St. Louis, Missouri

Independent Coursework:

11/2012-present

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| • Udacity AI for Robotics | • Udacity Algorithms |
| • Udacity Applied Cryptography | • Udacity Design of Computer Programs |
| • Udacity Functional Hardware Verification | • Udacity Software Debugging / Testing |
| • Udacity Intro to Theoretical CS | • Udacity Web Development |
| • M101P: MongoDB for Developers | • M102: MongoDB for DBAs |

Classroom Coursework (College of Lake County, Illinois):

1/2013-6/2013

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| • Comprehensive Database (CIT 112) | • Programming in C++ (CIT 141) |
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