CORY L. STEWART

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PROFESSIONAL SUMMARY

Python developer seeking junior-level position in software engineering with potential to make immediate impact and to continue developing skills. Former financial portfolio manager on team-oriented trading desk with excellent communication skills, strong work ethic, and ability to work in a fast-paced environment.

TECHNICAL SKILLS

Languages: Python, SQL/GQL, MongoDB, HTML/CSS, JavaScript, some knowledge of Java and C++
Tools and Frameworks: Git, Google App Engine, Jinja2, Bootstrap, jQuery, Selenium, Android Studio

PROFESSIONAL EXPERIENCE

AerWaze, Menlo Park, CA   *Aug. 2014 - Present*
Software Engineer
Full-stack developer at early stage Start-up Company looking at ways to improve safety and privacy associated with unmanned aerial vehicles.
- Worked with Business team to improve user experience and shape 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   *1999-2012*
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.
- Volatility arbitrage specialist for a $300 MM (notional) equity options portfolio, typically trading in multiple positions across hundreds of names
- Designed software tools to find and execute trading opportunities and also quickly adapt to new trading environments and strategies
- Performed quality assurance testing and submitted detailed bug reports for new versions of software
- 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 Python-based Sudoku solver using various layers of Sudoku techniques to both solve and assess difficulty of puzzles. Built database of difficulty sorted puzzles using solver to create and rate new puzzles.
Art Collection Manager
- Created web app that lets users upload photos of their art collection. Built database that stores photos and descriptions of the art. Created 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*

- Udacity AI for Robotics
- Udacity Applied Cryptography
- Udacity Object-Oriented JavaScript
- Udacity Intro to Theoretical CS
- M101P: MongoDB for Developers
- Udacity Algorithms
- Udacity Design of Computer Programs
- Udacity Software Debugging / Testing
- Udacity Web Development
- M102: MongoDB for DBAs

Classroom Coursework (College of Lake County, Illinois):   *1/2013-6/2013*

- Comprehensive Database (CIT 112)
- Programming in C++ (CIT 141)