CORY L. STEWART
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PROFESSIONAL SUMMARY

Python developer seeking a junior level position in software engineering where I can make an immediate impact with the tools I have as well as add new ones to my tool box. Being a former portfolio manager on a team-oriented trading desk I have excellent communication skills, strong work ethic, and am able to work in a high paced environment.

TECHNICAL SKILLS

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

PROFESSIONAL EXPERIENCE

AerWaze, Menlo Park, CA   *Aug. 2014 - Present*
Software Engineer
Full-stack developer at an early stage start-up company looking at ways to improve safety and privacy associated with unmanned aerial vehicles.

- 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   *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
- Created software tools to both find and execute trading opportunities
- 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
- 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*
- 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)