DANG MAI HAI

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Education

Northeastern University, Boston, MA   *12/2012*

GPA: 3.75
Master of Arts in Applied Economics

Wittenberg University, Springfield, OH   *05/2011*

GPA: 3.70
Bachelor of Arts in Financial Economics, Minor in Computer Science

Academic Projects

Factors of eBay auction pricing (NodeJS, MongoDB, Redis, Stata)

Collected and analyzed 10,000,000 eBay auction listings to uncover factors of eBay's bidding prices.
Utilized distributed task system for 8 concurrent Amazon EC2 workers for 600% speedup.

Black-Scholes model for Dummies - evaluate your options (Java, Python, Chapel, Mathematica)

Modeled Monte-Carlo simulations of the Black-Scholes model for evaluating options pricing.
Employed various programming language paradigms: High-Performance Computing, Object-Oriented, and standard computational software.
Optimized simulation runtime by 400% via concurrency.

Plagiarism and its counter measurements (Java, Python, Swing toolkit)

Analyzed the effectiveness of five plagiarism-detection algorithms and applications.
Developed a robust graphical user interface for those applications to allow easy comparisons.

Experience

Foreign Direct Investment Intern   *05/2011 - 08/2011*
Vietnam International Bank

Processed bank's transactions with FDI clients.
Prepared presentations for internal team meetings.
Collected and revised data about potential clients.

Faculty Aide   *01/2010 - 05/2011*
Math/Computer Science Department - Wittenberg University

Development of a unified anti-plagiarism graphical user interface for department use.
Researched multiple algorithms and models for Professor to use in lectures.

Technical Skills

Intermediate to advance in statistical hypothesis testing (A/B tests, regression analysis).
Intermediate to advance in statistics software packages (Stata, EViews, Python with Pandas/NumPy/SciPy).
Advance in Microsoft Word, Excel, PowerPoint.
Intermediate to advance in various programming paradigms and languages, web development frameworks (Django, CodeIgniter), databases (SQL- and NoSQL- based) and *nix server administration.

Activities

Contribute to open source projects: https://github.com/dangmai.
American International Association at Wittenberg University - Member of Executive Board.
Vietnam Youth Forum - Cofounder and coordinator.