

CATHERINE ZVINEVICH
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OBJECTIVE:

Summer internship 2007 in the quantitative finance field

EDUCATION:

PhD in Mathematics with Specialization in Computational Finance
Purdue University, West Lafayette, IN

August 2005 – Present

BS in Mathematics with Specialization in Actuarial Mathematics
Belarusian State University, Minsk, Belarus

September 2000 – May 2005

WORK EXPERIENCE:

Graduate Teaching Assistant

Department of Mathematics, Purdue University, West Lafayette, IN

January 2006 – Present

- 20 hours per week of teaching duties in mathematics

Graduate Research Assistant

School of Chemical Engineering, Purdue University, West Lafayette, IN

May 2006 – August 2006

- Statistical analysis of data generated in high throughput reactor

Analyst

BellInvestBank, Minsk, Belarus

January 2006 – February 2006

- Created and ensured performance reports
- Collected data on fixed income securities using online resources and databases

QUALIFICATIONS AND SKILLS:

- Solid knowledge of mathematics and statistics
- Experience with C/C++, Delphi, Matlab, Mathematica, Microsoft Office (Word, Excel, Access)
- Analytical and detail oriented with strong problem solving and research skills
- Work independently or as a team player
- English and Russian languages

RELEVANT COURSEWORK:

Probability and Statistics

- *Probability Theory*
- *Mathematical Statistics*
- *Simulation and Statistical Modeling*

Finance and Financial Mathematics

- *Mathematics of Finance*
- *Advanced Probability and Options With Numerical Methods*
- *Portfolio Management*
- *Design and Analysis of Financial Algorithms*
- *Financial Establishments and Securities*
- *Management of Financial Establishments*

Insurance

- Insurance Mathematics
- Mathematical Models of Insurance Risk

Industrial Engineering

- Simulation Design and Analysis

Mathematics

- *Real Analysis*
- *Complex Analysis*
- *Differential Equations*
- *Linear Algebra*
- *Computing Methods of Algebra*
- *Methods of Numerical Analysis*
- *Methods of Optimization*
- *Discrete Mathematics and Mathematical Logic*
- *Theory of Algorithms*