

Ksenia Tretiakova

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Objective: To obtain a position as a structural engineer under a licensed Professional Engineer.

Education: The Pennsylvania State University, University Park, PA Graduation: 12/2012
Candidate for IUG BAE/MS in Architectural Engineering Cumulative GPA: 3.68/4.00
Schreyer Honors College
Dean's List, Fall 2007- Spring 2010

Employment Experience:

December 2010 – Present
Andres Lepage, The Pennsylvania State Univ. Architectural Eng. Dept., University Park, PA
Graduate Research Assistant
- Construct formwork and rebar cages for beam-columns
- Draft and purchase code-compliant reinforcement detailing for beam-columns
- Prepare and perform laboratory tests on 2 beam-columns with ultrahigh strength steel reinforcement (one made with high performance fiber reinforced concrete) subjected to load reversals; Analyze data and write thesis on aforementioned testing
- Assist another student in his preparation and testing of beams subjected to load reversals

October 2008 – Present
Paul Kremer, The Pennsylvania State Univ. Architectural Eng. Dept., University Park, PA
Building Envelope Laboratory Research Assistant
- Document and survey 200 glazing companies across the country about the glazing industry with respect to seismic activity
- Apply blast-resistance technologies including FRP and Polyurethane coatings to 4'x8' brick walls for static uniform pressure testing according to ASTM standards
- Design and maintain sensor and facility setup for laboratory testing
- Apply knowledge of LabView to troubleshoot programming issues for laboratory tests
- Analyze dry-glaze racking test data for a scientific paper
- Analyze and report calculations on 4-side SSG racking test data for a scientific paper
- Edit and create figures for scientific papers using available engineering software

September 2008 – December 2008
Jafaar Al Aidaroos, University Park, PA
Personal Tutor
- Tutored in solving Engineering Mechanics problems focused primarily on Dynamics, also briefly covered Structural Analysis and Thermal Science

May 2008 – August 2008
Intrexon Corporation, Blacksburg, VA
Intern
- Filed patents, CDAs, license agreements, trademarks, resumes and invoices
- Designed skill set survey to evaluate the production potential of the 80-person R&D department on the basis of resumes and interviews with heads of subdivisions

Skills: **Languages** Fluent in English and Russian; Proficient in French
Programs AutoCAD Architecture Revit Architecture RISA 2D STAAD ETABS
Microsoft Excel Adobe Photoshop CS5

Honors: Schreyer Honors College tuition scholarship 6 semesters (Fall 2007-Fall 2011) \$1750
Mr. & Mrs. John Ball tuition scholarship for Philadelphia students (Fall 2007) \$2000