Stefan Zhelyazkov

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EDUCATION

University of Pennsylvania, Philadelphia, PA   Sep 2009 - May 2013
School of Engineering and Applied Science: Bachelor of Science in Engineering Cum Laude
Major: Computer Science
First Minor: Science, Technology & Society   **Second Minor:** Mathematics

WORK EXPERIENCE

Technology Analyst at Goldman Sachs   July 2013 – present
- Credit Risk Technology Analyst working on the Exposure Team
- Responsible for developing tools and technologies facilitating the business needs of the Credit Risk team.

Teaching Assistant at the University of Pennsylvania   Sep 2011 – Dec 2012
- Intro to Programming (II Level) in Fall 2011
- Intro to Algorithms and Data Structures in Spring 2012 & Fall 2012

Weiss Tech House at the University of Pennsylvania   Dec 2010 – May 2013
- IT Chair & Web Developer
- Weiss Tech House main page (http://www.tech-house.upenn.edu) and PennLaunch (http://www.pennlaunch.com)

PROJECTS

Lemonlime http://www.lemonlime.me: Technical Lead & Co-Founder   Dec 2010 - Jan 2012
- Founded a small startup with two other students: Chadwick Prichard, CEO & Founder and Adi Dahiya, Lead Designer. The goal of the website was to allow people to compare their friends from Facebook
- Developed the entire backend of the system: algorithms for comparing people, a notification system, asynchronous database accesses on any user's actions, caching

Biblioteka: Backend Developer   January 2011
- Mobile version of the Penn Library Catalog with the feature of *mapping* a book to a location in the school library
- Developed an algorithm simulating the results of a web query on the mobile device

COURSEWORK

Reading Music From Images – Senior Design Project   Sep 2012 – May 2013
- Developed an algorithm that analyzes the color properties of images and maps those to sounds which it further connects into playable music
- Eric O'Brien (ericob@seas.upenn.edu) wrote the Android application for the algorithm. Our project was featured on the front page of the school newspaper – the Daily Pennsylvanian on April 15th 2013.

Programming Language OAT (Objects, Arrays and Types) With Compiler   Jan 2011 – May 2011
- Strongly typed language; similar to Java; the compiler was written in OCaml
- Co-author: Mish Awadah (a.mamish@gmail.com)

PROGRAMMING LANGUAGES

Favorite: Java, C, PHP and Haskell.   *Experienced*: OCaml, Python, JavaScript