

Experience

- Oct 2015 - **Software Development Engineer II**, *Amazon.com*, Seattle, WA, United States.
Working with the Global Fulfillment Optimization team to develop systems to dynamically schedule trucks to that fulfill Amazon orders in a fast and affordable fashion.
- Oct 2013 - Oct 2015 **Software Development Engineer**, *Amazon.com*, Seattle, WA, United States.
Working with the Global Fulfillment Optimization team to develop enterprise-grade, highly scalable systems that optimize Amazon's supply chain and save its customers millions of dollars worth of shipping costs.
- Jun 2013 - Sep 2013 **Software Developer**, *Transmetrics*, Sofia, Bulgaria.
Developing an innovative IT product, which allows shipping companies to gain a critical few % of capacity utilization, by finding and fixing the biggest problems first. I am leading the development of the user interface using Java Server Faces, HTML, and JavaScript.
- Sep 2012 - Feb 2013 **Software Development Engineer Intern**, *Amazon.com*, Seattle, WA, United States.
Developed a system for monitoring inventory shuffles in Java, HTML5, and JavaScript. The system receives input from downstream systems and records relevant data in a SQL database. This data is then analyzed and the resulting costs or savings are calculated and displayed on a web portal.

Education

- Aug 2008 - Dec 2012 **Bachelor of Arts in Computer Science, Economics**, *American University in Bulgaria*, Blagoevgrad, Bulgaria, *3.49/4*.
Minor in Mathematics. Dean's List for Fall 2008.
- Aug 2011 - May 2012 **Bulgarian Young Leaders Program**, *Rochester Institute of Technology*, Rochester, NY, *3.73/4*.
Dean's List for the duration of studies. Took courses in Economics, Computer Science, and Mathematics.
- Apr 2011 - Jul 2011 **Erasmus Student**, *Otto-von-Guericke University*, Magdeburg, Germany.
Took courses in Computer Science and Economics.
- Sep 2003 - May 2008 **High School Diploma**, *First English Language School*, Sofia, Bulgaria, *5.75/6*.
Certificate of Excellence.

Favorite Tools

- Languages Java, Scala, Ruby, Python, HTML5, JavaScript, SQL, C
- Frameworks Rails, Spring, AngularJS, Django, Play
- Big Data Octave, Spark, Hadoop, Matlab
- IDEs Atom, Eclipse
- Build / Deployment Make, Ant, Maven, SBT, Grunt, Ansible
- Services Nginx, Tomcat, Unicorn, Hbase, Cassandra, Elasticsearch, Postgres
- Operating Systems {Debian, Ubuntu, Arch, Fedora, Red Hat Enterprise, CentOS} Linux, *BSD

Languages

- Bulgarian Native
- English Full Proficiency
- German Working Proficiency

TOEFL: 115/120
B1

Selected Activities

- 2013 - Present Member, Association of Software Engineers - Bulgaria
- 2012 - Present Member, Association of Bulgarian Leaders and Entrepreneurs
- 2011 - 2012 Member, Free and Open Source Group at RIT
- 2008 - 2012 Member, Computer Science Student Union at AUBG

Selected Achievements

- 2012 Certificate, American Institute on Political and Economic Systems in Prague, Czech Republic
- 2011 Fourth place at the U.S. Northeastern Regional ACM Programming Competition
- 2011 Selected to participate in the Cyber Defense Techniques Seminar at RIT
- 2010 Bulgarian Young Leaders Award. Placed at the Rochester Institute of Technology
- 2010 Selected for Erasmus Exchange at Otto-von-Guericke University for Spring 2011
- 2010 America for Bulgaria Foundation Scholarship
- 2009 Lou Hill Davidson and Ralph Davidson Scholarship

Senior Project: Computer Science

- Title *TAGS: A Graph-based Social Network*
- Supervisors Prof. Volin Karagiozov
- Description An extensible social network framework implemented in Java using the Neo4j graph database.

Selected Projects: Computer Science

- Ruby on Rails, JS Books on Rails: A next-generation library management system
- C++ A student database with a command-line interface backed by a Binary Search Tree
- C# A simple sudoku solver
- PHP, SQL, HTML Database Explorer: A web-based tool for database management
- Python, GTK Sharescanner: A tool for indexing and downloading files from Samba shares
- Assembly, C An application for encrypting and decrypting text using the XOR operator
- UML, Teamwork Lead a team of four to design an interactive racing game written in Java
- UML, Teamwork Worked in a team of four to design a touch-based 3D modeling application based on Blender

Courses

- Computer Science Software Development Using C++, Fundamentals of Programming Languages, Database Systems, Assembly Language Programming, Computer Architecture, Object Oriented Languages, Fundamental Data Structures, Software Engineering, Algorithms, Advanced Database Models, Cyber Defense Techniques, User Interface Engineering, Information Security, Data Warehousing and Data Mining
- Economics Principles of Macroeconomics, Principles of Microeconomics, Money and Banking, International Trade, International Finance, Quantitative Methods in Economics, Intermediate Macroeconomics, Intermediate Microeconomics, Econometrics, Economic Forecasting, Natural Resource Economics, Comparative Economic Systems
- Mathematics Elementary Linear Algebra and Analytical Geometry, Calculus I - III, Differential Equations, Numerical Analysis

Papers: Economics

- 2012 Stoychev, Yavor. Determinants of New Car Prices in the U.S. [Economic Forecasting]
- 2011 Stoychev, Yavor. Hydrofracking: Rights, Risks, and Challenges [Natural Resource Economics]

Hobbies and Interests

- Computer Science Algorithms, Operating Systems, Distributed Systems and Services
- Economics Economic Policy, International Economics, Economic Forecasting
- Mathematics Discrete Mathematics, Differential Equations
- Sports Volleyball, Swimming, Skiing, Tennis
- Outdoor Hiking, Camping, Travelling, Photography
- Music Piano, Clarinet, Guitar Playing