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Kamen Y. Yotov

OBJECTIVE

To obtain a Ph.D. degree in Computer Science and to find an appropriate job in the field of Computer and Software Engineering at an accredited and respected company in the United States.

EDUCATION**Cornell University**

08/2000-now, Candidate for a Ph.D. Degree in Computer Science, First year student

Graduate courses: Reasoning About Knowledge (CS676) • The Design and Analysis of Algorithms (CS681) • Intermediate Distributed Systems (CS514) • Advanced Programming Languages (CS611) **GPA 3.9/4.0**

Current: Advanced Compilers for High Performance Architectures (CS612) • Advanced Systems (CS614)

Sofia University, Bulgaria

10/1995-07/1999, M.Sc. Degree in Computer Science

GPA 6.0/6.0

Major: Computer Science, **Concentration:** Artificial Intelligence

M.Sc. Thesis: A Multipurpose, Wide Area Network Distributed Environment for Agent Communication, Coordination and Maintenance: Architecture and Java Implementation

Graduate classes: Formal Methods of Artificial Intelligence • Case-Based Reasoning • Systems for Knowledge Representation and Processing • Neural Networks and Genetic Algorithms • Machine Learning • Programming Methods for Artificial Intelligence • Natural Language Processing • Programming for the Internet • Declarative Languages for Knowledge Representation • Program Verification and Correction • Comparative Procedural Linguistics

Other relevant classes: Programming • Data Structures • Discrete Mathematics • Graph Theory • Mathematical Logic • Mathematical Optimizations • Functional and Logical Programming Languages • Computer Architectures • Numerical Methods • Operating Systems • Theory of Programs • Databases and Applications • Computer Graphics and Applications • Artificial Intelligence • Software Engineering

National High School of Mathematics and Natural Sciences

09/1991-06/1995, **Major:** Mathematics and Computer Science

GPA 6.0/6.0**WORK EXPERIENCE (Over 10 years of experience in Computer Science)****Positions held:**

1999-2000 Programmer and IT Consultant at Ministry of Internal Affairs as part of obligatory military service

1997-1999 Software Engineer at Sirma AI, Int. (EngView Systems CAD development Group)

1996-1998 IT Expert & System Administrator at Bulgarian Tempus Office, PHARE

Significant software projects (self employed):

1999 Questionnaire database software for GOPA GmbH, Germany

1998-1999 Danish educational programs for Gyldendal/Orfeus, Denmark

1997-1999 Documentation management software for ENPRO Consult, Bulgaria

1996-1999 Publishing Department Information System for Energoproekt, Bulgaria

1995-1999 Home delivery software for Kentucky Fried Chicken, Bulgaria

1995-1998 Medical Department Information System for Energoproekt, Bulgaria

1996-1997 Water level inspection software for Nuclear Power Plant, Kozloduy, Bulgaria

1996-1997 Survey information system for EastLink Software, San Diego, California, USA

ACADEMIC EXPERIENCE**Positions held:**

Fall 2000 Teaching Assistant at Cornell University, Foundations of Artificial Intelligence (**CS472**)

Spring 2001 Teaching Assistant at Cornell University, Information Discovery (**CS430**)

1997-1999 Teaching Assistant at Sofia University, Faculty of Mathematics and Computer Science (**97/98** Languages for Functional and Logical Programming; **98/99** C/C++ Programming; **98/99** Java Programming; **98/99** Artificial Intelligence)

1996-1999 Member of the Scientific Committee of several national contests in CS

1994 Lecturer in a course of DOS/Windows at Energoproekt, plc.

Publications:

1998 "A Multipurpose Functional Programming Language without Special Forms and Lambda Expressions", published in the proceedings of the 27th Spring Conference of the Union of Bulgarian Mathematicians, Pleven'98.

BACKGROUND

Bulgarian citizen on F1 Visa, birth date: June 3, 1977; Fluent in English, Russian and Bulgarian

Languages: C/C++, Java, JavaScript, Lisp, Prolog, Pascal, Delphi, Assembler, Basic, Clips, CL, ML, LaTeX and others

Web-related: X/HTML, XML, XSL, CSS, ASP, JSP, PHP, CGI, servlets

Networking: TCP/IP, UDP/IP, HTTP, FTP, ... BEA WebLogic, MS IIS

Databases: SQL, ODBC, JDBC, MS SQL Server, MS Access, InterBase, Paradox

Operating systems: Windows 2000, ME, NT, 9x, 3.1, DOS, Unix

ACHIEVEMENTS

2 Bronze and 1 Gold medals from international competitions in computer science; **3** times member of the university team at the ACM International Collegiate Programming Contest, once on the **final** round; Many awards and leading places in other competitions in computer science and mathematics; **Letters of Recommendation** from undergraduate and M.Sc. programs (1st of 168); "**Most Successful Student'99**" award