

Deniz Sarioz

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- Education**
- Columbia University, Fu Foundation School of Engineering and Applied Science, New York, NY: Bachelor of Science in Computer Science, May 2002; GPA: 3.0.
 - Middlebury College, Middlebury, VT: Bachelor of Arts in Mathematics (honors), minor in Physics, May 2002; GPA: 3.3.
- Skills**
- *Programming Languages*: C, C++, Java, Perl, PHP, Javascript, Lisp, Python, Assembly, Pascal.
 - *Operating Systems*: Unix (administration, kernel programming), Windows, MacOS, MS-DOS.
 - *Tools and Applications*: HTML, XML, CSS, CGI, SQL, MySQL, UML, Rational Rose, awk, sed, Unix shell scripting, L^AT_EX, Maple, Matlab, Mathematica, Dreamweaver, MS-Office (advanced).
- Certifications**
- Brainbench: C, C++ (both as experienced programmer), OO Concepts (2002).
 - Sun Microsystems, Inc.: Certified Programmer for the Java™ 2 Platform 1.4 (2002).
- Work and Research Experience**
- Columbia University**, New York, NY *Research Assistant*
Natural Language Processing Group **February 2001–August 2001**
Worked on the *Ontologies and Term Management* portion of the Digital Government Project:
- Enhanced *LEXING*, a system for LEXical INformation extraction from Glossary sources.
 - Improved a generic web crawler to automatically collect glossaries from government web sites.
 - Presented the Digital Government Project to US Congress with Dr. Judith Klavans at the Seventh Annual CNSF Exhibition held in the Rayburn Office Building on Capitol Hill, Washington, DC.
- Middlebury College**, Middlebury, VT *Research Assistant*
Robotics and Vision Research Laboratory **May 2000–August 2000**
- Codified, refined, implemented (in C) and tested expected shortest path calculation algorithms for probabilistic directed graphs.
 - Programmed in a structured manner that allows both stand-alone execution and integration into the vision-based mobile robot navigation project.
- Middlebury College**, Middlebury, VT *Computer Consultant* **March 1998–April 2000**
Information Technology Services *Network Assistant* **May 1999–April 2000**
- Phone and Walk-in Help Desk Technical Support for faculty, staff and students.
 - Implemented CGI/Perl projects for several departments.
 - Installed/upgraded network equipment, switch programming for subnet changes.
 - Responded to and addressed network connection complaints; Appletalk and TCP/IP configuration/troubleshooting.
- Math and Computer Science Department**, Middlebury, VT *Grader/Tutor*
- Graded and tutored Introduction to Computer Science and Calculus II over three semesters.
- Languages**
- Proficient in German and Spanish, fluent in Turkish.
- Significant Course Projects**
- *Bioinformatics*: Term project *Predicting Beta-helix Fold from Protein Sequence Data* considered best in class by professor. Role of programmer/problem solver in 4-person team, Spring 2002.
 - *Graph Theory*: Undergraduate math thesis (with Prof. Jonathan L. Gross) on *a priori* determination of isomorphism in graphs derived from voltage graphs, Spring 2002.
 - *Software Engineering*: Design and implementation of a spreadsheet to be used in an educational setting—as one of the three developers of a team—using Java/Swing with an object-oriented approach (4000 lines of code), Fall 2000.
 - *Neural Networks*: Term paper and presentation on use of ANNs for OCR, Spring 2000.
- Extracurricular Activities, Examinations, Affiliations**
- New York Linux Users Group, 2003—Present.
 - Association for Computing Machinery, 2001—Present.
 - WBAR (Barnard College Radio) and WRMC (Middlebury College Radio) DJ.
 - Chaired the Middlebury College Math and CS Department Student Advisory Committee.
 - ACM Programming Contest, 3rd place in the New England Finals (in a team of 3).
 - Putnam Math Examination, score of 39.5. Middlebury College places 21st nationwide.
 - Mensa, 2000—Present.