

Interface

NoonianChess Competes in World Chess Championships

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Since Alan Turing wrote the first instructions for a machine to play the game of chess, programmers have been trying to develop chess programs capable of beating the human masters of the game. One of these programmers is Charles Roberson, a 1986 Elon graduate, who has been developing his program NoonianChess for five years.

During the past two years, NoonianChess has competed in the 10th World Computer Chess Championship in Maastricht, the Netherlands, and the 5th Programmer's Computer Chess Tournament sponsored by the Internet Chess Club. NoonianChess managed a tie against the three time world champion program, Deep Junior, in the World Computer Chess Championship, and has competed against the present world champion chess program, Shredder. There are only about 250 computer chess programs worldwide so NoonianChess is definitely part of an elite group of programs.

You can view the results of the 10th World Computer Chess Championship at http://www.computerschaak.nl/wcc_hist.html#10th and the results of the 5th Programmer's Computer Chess Tournament at <http://www.chessclub.com/cgi-bin/finger/finger.pl?handle=NoonianChess>.



Charles Roberson poses with his NoonianChess program.



Mr. Roberson demonstrates NoonianChess to Elon students and faculty.

From the Chair Dr. David Powell

Welcome to the second edition of the Computing Sciences Department Newsletter.

In order to fulfill our departmental mission we have developed an alumni survey to provide us with feedback on our programs and courses. Please visit our departmental web site and complete the alumni survey.

We are looking forward to hearing from you.

New Faces

Dr. Lynn Heinrichs was previously an Associate Professor of Computer Information Systems at Western Carolina University. She has an Ed.D. from Northern Illinois University with an MIS concentration, and her research interests include gender differences in Information Technology, Information Systems education, and assimilation of Information Technology.

Shannon Pollard is currently a doctoral candidate in Computer Science at Duke University, and has a B. A. from East Carolina University. Her research interests include Artificial Intelligence and machine learning.

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Alumni News



Eric Hammond is the Director of Information Technology at Steel Services, Inc. in Richmond, Virginia, " Please update your records accordingly and continue to send me the newsletter, I really enjoyed it."

Faculty Presentations and Publications

Dave Powell presented a two day course at GM Knowledge center on September 8-9, 2003 on Advanced Optimization, Theory and Application.

Vicki Hightower presented a paper entitled *Working with Project Teams in an Information Systems Environment*, at the Southeast Institute for Operations Research and the Management Sciences conference in Myrtle Beach, South Carolina on October 3, 2003.

Megan Conklin presented a paper entitled *Data Mining Spam* at the ACM Mid-Southeastern Regional Fall Conference in Gatlinburg , Tennessee on November 13, 2003.

Alex Yap had an article he co-wrote with Ojelanki Ngwenyama and Kweku-Muata Bryson entitled *Leveraging Knowledge Representation, Usage, and Interpretation to help Reengineer the Product Development Life Cycle: Visual Computing and the Tacit Dimensions of Product Development*, published in **Computers in Industry Journal**, Elsevier Science, Volume 51, Issue 1, May 2003, pp. 89-110.

Dr. Robert Panoff is Voices of Discovery Speaker



Dr. Robert Panoff making his presentation as the Voices of Discovery speaker on October 2.

Dr. Robert Panoff, director of the Shodor Education Foundation, Inc., presented a lecture on October 2 for the Voices of Discovery speaker series at Elon sponsored by the College of Arts and Sciences. The topic of his presentation was the research in computational science being conducted at the Shodor Education Foundation. The Shodor Education Foundation research involves the use of computer technology for the advancement of computational science in science and mathematics education through the development of interactive software. Dr. Panoff has formed the National Computational Science Institute to train science faculty in the use of computational science as a learning tool.

Dr. Panoff met with several of the Computing Sciences faculty prior to his presentation including **Megan Conklin, Beth Ellington, Dave Powell, Barbara Taylor** and **Herb Schuette**.

Contact Us

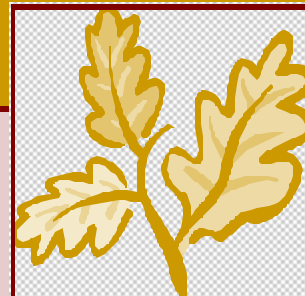
We need your e-mail address.

We need to know any alumni news that you are willing to have in the newsletter.

We need to know if you have any employment opportunities for our graduates that you would like us to advertise.

We need to know if you have any internship opportunities for our students.

Please send all information to csnewsletter@elon.edu and cc:alumnirelations@elon.edu.



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Programming Contest

A team of Elon University students finished in 31st place at the Southeast Regional Association for Computing Machinery Programming contest, held Nov. 8 at Duke University.

Students **Ryan Barnard**, **Matt Lane** and **Michael Richards**, along with faculty advisors **Joel Hollingsworth** and **Shannon Pollard**, competed against 161 teams. The Elon team finished ahead of teams from the University of North Carolina at Chapel Hill, Wake Forest University and the College of William and Mary.

Conferences

On November 13, 2003 the Elon Computing Sciences Department Student Chapter of the ACM traveled to the ACM Mid-Southeastern Regional Fall Conference in Gatlinburg, Tennessee.

Ryan Markel presented a paper entitled *Developing an Educational Online Learning Experience*. Other Elon students who attended the conference were **Michael Richards**, **Matt Lane** and **Dan Evans** along with ACM Student Chapter advisors Megan Conklin and Vicki Hightower.

Student Opportunities

Association of Computing Machinery

Elon College Fellows Program

Internships

Research

2002–2003 Academic Award Winners

The Computing Sciences department would also like to congratulate the following students who received the following academic awards for the 2002-2003 academic year.

Computer Science Academic Achievement	Richard Dutton
Computing Science Department Service	Brian DeYoung
Elon College Programming Contest	Brian DeYoung
Information Systems Academic Achievement	Christina Dickerman and Marisa Triman
Carpenter Award	Ryan Barnard



Graduate School News

Five 2003 Elon University Computing Sciences graduates have pursued further study in graduate programs. **Brian DeYoung** and **Ryan Huff** are attending Wake Forest University, **Richard Dutton** is attending William and Mary, **Scott O'Brien** is attending Pace University and **Matt Rice** is attending Florida State University.

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New Minor in Computing Sciences

The Computing Sciences Department has a new minor to offer Elon University students this academic year in **Multimedia Authoring**. The minor provides an interdisciplinary approach to the development of successful persuasive digital content for all disciplines and is 20 credit hours. This allows students to integrate the study of digital art and writing with a solid technical foundation through core courses in English and Computing Sciences. Students will learn document design and content in the English and Art departments where they will address the theory and art of developing multimedia with rich technical writing combined with digital art. These design skills will be complemented with courses in Computer Information Systems focusing on web based databases and web servers.

Students will be expected to implement what they have learned by completing a project, geared toward their own major in the Multimedia Authoring Studio course. The final multimedia authoring project course provides an opportunity to develop skills learned in writing, interface design, digital art, and web development into a significant project that will include both a research and application component. The project will address a multimedia challenge in the student's field of major study or a related field of interest.

Visit our web site at www.elon.edu/compsci to learn more about this minor.