

1349 Wilshire Dr
Birmingham AL 35213

ALEXANDER A. ZOTOV

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Objective: A full time position in development hardware control systems and network programming

Education: 2005-2007 University of Alabama at Birmingham Birmingham, AL
• Masters of Science in Biomedical Engineering GPA: 3.6
Thesis: Models of Disparity Gradient Estimation in the Visual Cortex

2001-2005 Jacksonville State University Jacksonville, AL
• Bachelors of Science in Computer Science GPA: 3.9

Skills:

- NI LabVIEW and extension components, MC ULx, Matlab and Phychtoolbox, C++, Java, PHP, Apache, SQL, Cold Fusion, Scheme, HTML, MS IIS
- Photoshop, Canvas, 3D Studio Max, Neuron
- Windows, Ubuntu, OSX, NI LVRT
- Fluent in Russian

Work Experience:

2008-present University of Alabama at Birmingham Birmingham, AL
Programmer Analyst of Vision Science Research Center

- Develop custom software control systems and user interface systems for administering and manipulating electronic devices used in scientific experiments
- Develop systems for recording, sharing over network, and analyzing experimental data
- Provide support for developed control systems, and modify developed software if required
- Manage research center computer, hardware, and software purchase account, and purchase merchandise as needed
- Administer the research center network of 70 computers, implement and support servers that provide web hosting, file storage and sharing, backup, online scheduling of shared facilities

2007-2008 University of Alabama at Birmingham Birmingham, AL
System Specialist of Vision Science Research Center

- Administered a network and servers that provide web hosting, file storage and sharing, backup, online scheduling of shared facilities
- Developed various applications utilized by faculty in research activities
- Supported research activities by providing technical assistance to faculty and students and by performing maintenance of software and hardware
- Developed, administered and updated web sites

2005-2007 University of Alabama at Birmingham Birmingham, AL
Graduate Student Trainee

- Developed computational and biophysical models estimating responses cell networks in the visual cortex using Matlab, Neuron and SNV
- Designed and implemented psychophysical experiments for apparent motion studies using Scheme and analyzed data collected in completed experiments using Matlab and other custom tools
- Manufactured multi-electrode arrays for experiments in electrophysiology and performed electrophysiological recording experiment from retinal cells

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2002-2005

Buyers USA Relocation
System Administrator

Anniston, AL

- Administered a network of office computers and servers including email, web, domain, database servers and assured smooth operation for over a hundred of simultaneous local and online users
- Developed web based database management tools using SQL and Cold Fusion on IIS
- Developed and managed web sites using Dreamweaver, Cold Fusion and HTML
- Provided computer training in MS Access, Excel and other software packages to employees and assisted with computer related issues

2002

JSU Academic Center for Excellence
Computer Center Assistant

Jacksonville, AL

- Maintained computer hardware and software at several student computer rooms
- Provided tutorial help in math and computer science to students
- Designed and maintained the JSU Academic Center for Excellence web site

2003-2005

Jacksonville State University
International House Program – International Student Coordinator

Jacksonville, AL

- Helped new international members to adjust to college life in the United States
- Assisted in academic advising of the IHP program members
- Designed and developed multiple functions and activities for residents

Awards:

- JSU Programming Contest Winner 2002, 2004, 2005 (Java and C++)
- Outstanding Graduate, 2005. Department of Math Computing and IS, JSU
- International House Program Scholarship Award for two consecutive years (2001-2003)
- Dr. James H. Jones Award for Outstanding Service to the International House Program, 2003
- Anniston Rotary Honorary Scholarship, 2002

Offices

/Clubs:

- Assist in English language education program in Lyceum #1, Schekino, Russia 2007-present
- Vision Science Society member 2006-2008
 - Poster coauthor at VSS 2006 and 2008 meetings
 - Poster author at VSS 2007 meeting
- JSU Programming Team member 2002-2005
- JSU Computer Science Club speaker at Student Government Association, 2004/2005
- JSU Math Club Member 2003-2005

Activities/

Interests:

- While being a student, earned all tuition and living expenses through academic scholarships, assistantships and work
- Invest earned capital in stocks and currency

References:

- Available upon Request