

ADINA RALUCA STOICA

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EDUCATION

Washington University <ul style="list-style-type: none">• M.S. in Computer Science	GPA: 3.57/4.0	Saint Louis, MO	August 2011-August 2014
Bard College <ul style="list-style-type: none">• B.A. in Computer Science• Senior Project Thesis: <i>Delaunay Diagram Representations for Use in Image Near-Duplicate Detection</i>	GPA: 3.59/4.0	Annandale-on-Hudson, NY	August 2007-May 2011

SKILLS

- **Programming Languages:** Java, JavaScript, C/C++, HTML, CSS, Python
- **Language Skills:** Romanian – Native, English – Fluent, French – Advanced, Spanish – Beginner

EXPERIENCE

Software Engineer Health Management Dev Team <i>[Cerner Millennium, JavaScript, Knockout, CSS, HTML, MPages, CCL, Java, JUnit]</i> <ul style="list-style-type: none">• Currently working on a FHIR (Fast Healthcare Interoperability Resources) RESTful API to allow the services offered by my team to be consumed by external teams• Currently working on an automatic black-box testing framework for all of the team's code base• Previously worked on Cerner's Department of Defense contract, on two components of a Mass Vaccination solution for streamlining the administration of vaccines<ul style="list-style-type: none">i. Mass Assign Vaccines MPage: allows the vaccine administrator to mass assign vaccines to a patient listii. Medication Administration MPage: launch Cerner's Medication Administration Wizard for a patient from within the page by either scanning a barcode identifying the patient or clicking the appropriate link <ul style="list-style-type: none">– Projects were finished and delivered in a timely manner– No errors have been reported with my code after extensive testing by multiple teams	Cerner Corporation	September 2014-Present <i>April 2015-Present</i>
Orders and Plans Development Team <i>[C++, CCL, Visual Studio]</i> <ul style="list-style-type: none">• Worked on PowerOrders software, which helps medical professionals coordinate orders across all facilities		<i>November 2014-April 2015</i>
Research Intern Summer Internship, Spatial Analysis <i>[MATLAB, C++, OpenCV, Visual Studio]</i> <ul style="list-style-type: none">• Worked on an indoor 3D reconstruction algorithm using images and 3D models	Mitsubishi Electric Research Laboratories	May-August 2014
Graduate Research Assistant Computer Vision Group <i>[MATLAB, C++, Python, HTML, CSS, Django, JavaScript, MySQL, Google Maps API]</i> <ul style="list-style-type: none">• Development and maintenance work on <i>The Archive of Many Outdoor Scenes</i>: the largest archive of outdoor webcam imagery (more than half-billion images) <i>amos.cse.wustl.edu</i>• Interface design of <i>Project Live3D</i>: a web application which allows users to geo-calibrate webcams by marking image correspondences on a 3D Google Earth model <i>projectlive3d.com</i>• Designed method to correct EXIF image timestamps using correspondences between shadows and shadow casters• Created 3D models of trees using structure from motion and analyzed the challenges involved in doing so	Washington University	August 2011-May 2014 <i>December 2011-May 2014</i>
Computer Graphics Group <i>[C++]</i> <ul style="list-style-type: none">• Improved existing bone segmentation tool by adding a filter to create binary volume from a CT scan		<i>August 2011-November 2011</i>
Summer Research Intern Virtual Environments Group <i>[C++, OpenSceneGraph, Autodesk Maya]</i> <ul style="list-style-type: none">• <i>Egocentric Distance Estimation in Virtual Environments</i>: modeled a virtual environment to imitate a physical room and provided functionality so that objects would move identically in the room and in the virtual environment	Clemson University	May-August 2010
Programmer Henderson Computer Resources Center <i>[PHP, MySQL, LDAP, SOAP]</i> <ul style="list-style-type: none">• Designed and started implementing a central online system for changing passwords on Bard's network	Bard College	September 2010-May 2011

Web Communication Intern	Human Rights First	January-May 2010
Semester Internship [<i>HTML, CSS, PHP, WordPress</i>]		
<ul style="list-style-type: none"> Created templates and style sheets to transition the organization's website to the WordPress platform 		
Summer Research Intern	University of Houston	Summers 2008, 2009
Computational Physiology Lab [<i>MATLAB</i>]		
<ul style="list-style-type: none"> 2008: - proposed and analyzed techniques to measure stress in thermal imaging videos <ul style="list-style-type: none"> project <i>Analysis of the Blood Perfusion and Perspiration Components of the Supraorbital Thermal Signature</i> 2009: - analyzed the effectiveness of the lab's stress analysis tool on real polygraph data <ul style="list-style-type: none"> in the final report I showed that the technology was close to being usable in practice 		
Research Assistant	Bard College	January 2008-December 2009
Laboratory for Algebraic and Symbolic Computation [<i>Wolfram Mathematica</i>]		
<ul style="list-style-type: none"> Worked on applications related to the classification of quandles 		

LEADERSHIP AND TEAMWORK

IDEA Labs Team Member	Washington University	October 2013-August 2014
<ul style="list-style-type: none"> Member of IdealTap, a multidisciplinary team of students designing an innovative lumbar puncture chair Contributed to the design and creation of an in silica model of the chair as well as a to-scale, wooden prototype Applied for a provisional patent for the device in April 2014 		
President, ECHO Student Company	Bucharest, Romania	September 2005-May 2007
<ul style="list-style-type: none"> Simulated a retail company as part of the Junior Achievement Europe Student Company program Developed a business plan and a marketing strategy and designed and produced an innovative product, HanRuc, an anorak that turns into a backpack (rucksack) Won first prize in national competition (Romania) 		

AWARDS

- Research Assistantship (August 2011): full tuition and stipend from Washington University
- Distinguished Scientist Scholarship (August 2007): full-tuition scholarship for all 4 years of study at Bard College
- University of Houston REU Poster Competition Winner (August 2008)
- CRA-W Graduate Cohort Workshop (April 2013, April 2014): scholarship recipient to attend the workshop
- Grace Hopper Celebration of Women in Computing (November 2011, November 2012): scholarship to attend
- JA-YE Europe Company of the Year Competition, Best Company of the Year, Romania (May 2006): awarded to ECHO