

# CAIO V. SOARES

560 Perry St., Apt. 411  
Auburn, AL 36830  
(407) 694-2771 • E-mail: [soarescv@gmail.com](mailto:soarescv@gmail.com)

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**OBJECTIVE** To obtain a research or development position in the field of computer science utilizing computer and mathematical skills.

**EDUCATION** **Doctor of Philosophy:** Computer Science and Software Engineering  
Auburn University, Auburn, Alabama, May 2009

- GPA: 4.0 / 4.0

**Master of Science:** Computer Science and Software Engineering  
Auburn University, Auburn, Alabama, May 2008

- GPA: 4.0 / 4.0

**Bachelor of Science:** Double Major, Computer Science and Mathematics  
Berry College, Mount Berry, Georgia, May 2004

- Bachelor program completed in 3 years
- GPA: 3.73 / 4.0

**RELATED  
EXPERIENCE**

**Auburn University CSSE Department, Auburn, Alabama**

*Graduate Teaching Assistant, August 2004 – May 2006, August 2006 – Present*

- Devise class and lab lectures, and serve as lab instructor for Introductory Java Programming course
- Serve as teaching assistant for Computer Architecture, and Computer Organization & Assembly Language Programming
- Serve as course instructor for Introduction to Personal Computer Applications
- Assist students with program construction and debugging, course content and related materials

**McKesson Provider Technologies, Atlanta, Georgia**

*Software Engineering Intern, June 2007 – August 2007*

- Responsible for performance improvement on existent product
- Product updates rescheduled to include new performance improvements
- Develop software using Iterative Lifecycle as member of 10+ person team

**Auburn University CSSE Department, Auburn, Alabama**

*Graduate Research Assistant (Computer Architecture), May 2005 – May 2006*

- Develop more efficient memory transfer techniques (Primary researcher)
- Implement and simulate new technology through Simple Scalar Simulator

**Giant Campus Inc., Seattle, Washington**

*Camp Counselor, June 2003 – August 2003*

- Teach children and teens courses on Robotics, Programming and Game Design
- Create other courses such as Web Design, 3D Animation, and Digital Imaging

**Berry College Mathematics Department, Mount Berry, Georgia**

*Researcher / Programmer, January 2002 - May 2002, January 2003 – May 2003*

- Design and develop program in fractal mathematics
- Present fractal work in Symposium
- Conduct basic analysis of cryptographic algorithms

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## SPECIAL SKILLS

**Programming Languages:** Java, C, C++, BASIC, Visual Basic, Assembly, SQL, LaTeX, VXML, X+V

**Web:** HTML, CSS, JavaScript

**Databases:** Oracle, MySQL, MS Access

**Tools:** Mathematics – Matlab, Mathematica, SAS  
 Game Development – Stagecast Creator, 3D Gamemaker

**Programming Environments:** MS Visual Studio, MS Visual Studio. NET, JGRASP, vi, BlueJ, Notepad++

**Operating Systems:** Windows, UNIX, Macintosh

**Foreign Languages:** Fluent in Portuguese and Spanish

**Research Interests:** Artificial Intelligence, Machine Learning, Optimization, Evolutionary Computation, Data Mining

## AWARDS/ ACTIVITIES

Google Hispanic College Fund Scholarship Recipient  
 Southern Regional Education Board Fellowship Recipient  
 Member of Upsilon Pi Epsilon (International Honor Society for the Computing and Information Disciplines)  
 Member of National Scholars Honor Society  
 Member of Kappa Mu Epsilon (Mathematics Honors Society)  
 Dean's List (Fall 2001-Fall 2004)  
 Cross-Country and Track & Field Team Member

- Indoor Track and Field National Champion
  - 1<sup>st</sup> place overall (Winter 04)
- Outdoor Track and Field All-America Honors
  - 3<sup>rd</sup> place overall (Spring 04)
  - 6<sup>th</sup> place overall (Spring 03)
- 3 Time Academic All-America Honors (Fall 03 and Spring 03, 04)

Volunteer at Children Computer Camp at Auburn University (Summer 05)  
 Volunteer at Cary Woods Elementary School for Computer Camp (Fall 06)

## PUBLICATIONS

SOARES, C., PAGE, G., MACDONALD, J., DOZIER, G., HAMILTON, J., AND BASKIYAR, S. 2007. Bowl Championship Series Vulnerability Analysis. In *Proceedings of the Richard Tapia Celebration of Diversity in Computing Conference*, Orlando, Florida, October 2007.

## CERTIFICATION

Microsoft Word *Expert* in v. 2002  
 Microsoft Excel *Specialist* in v. 2002

## COMPETITIONS

4th place at 2007 Tapia Computing Conference Robotics Competition

## REFERENCES

Available upon request