

Matthew C. Makai

Active Top Secret Security Clearance

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Experience **Booz Allen Hamilton, Global Information Technology, Charlottesville, VA**

7/07-Present *Senior Consultant*

- Staffed on a Northrop Grumman contract, the Biometric Intelligence Resource program, for the National Ground Intelligence Center, a military intelligence branch of the United States Army
- Designed and implemented five critical application subsystems using Java, Hibernate, JBoss, web services, Tapestry, and UNIX Bash shell scripts
- Performed work critical to the success of the contract and earned an additional full-time employee slot on the 2007-2008 contract above Northrop Grumman's intended Booz Allen Hamilton subcontract employee positions because of the quality of the work delivered
- Work performed is designated "For Official Use Only" by the United States government

Freddie Mac, Operations and Technology, McLean, VA

6/05-7/07 *Programmer Analyst Associate, 6/05-3/06 (promoted), Programmer Analyst, 3/06-7/07*

5/04-8/04 *Application Development Center College Intern (offered full-time position at end of summer)*

- Designed and developed multiple internal enterprise accounting applications that directly reduced the number of days required to complete Freddie Mac's external financial reporting process
- Managed technology and development process change management with the IBM Rational Suite
- Earned business results and leadership ratings in the top 2% of employees during year-end reviews
- Researched how to integrate the open source tool Hibernate into existing applications

Computer Science Department, James Madison University, Harrisonburg, VA

9/03-5/04 *Cyber-defense Research Assistant*

- Worked with both university and government professionals to improve the James Madison undergraduate computer science curriculum by creating a new information security course

Education *University of Virginia*

Degree Candidate

Master of Science in **Management of Information Technology**, McIntire School of Commerce

- Named to Computer World's "Top 10 Information Technology Schools to Watch" in 2008

Virginia Polytechnic Institute and State University (Virginia Tech)

Graduated May 2008

Master of Science in **Computer Science and Applications**, College of Engineering

Cumulative GPA: 3.57/4.0

- Wrote a Master's thesis on using heuristic search methods to automate unit test case generation
- Ranked as a top 10 computer science graduate program by Computer World magazine in 2008

James Madison University

Graduated with Honors May 2005

Bachelor of Science in **Computer Science**, College of Integrated Science and Technology

Cumulative GPA: 3.73/4.0 *cum laude*

Computer Skills and Experience

Programming

- J2EE, Struts, Hibernate, Tapestry, C, C++
- ILOG JRules 6.x
- Python, Django, JavaScript
- Web services, Service-oriented Architectures, XML, XSLT

Change Management and Development Infrastructure

- BEA WebLogic
- JBoss
- Rational Rose, ClearCase, ClearQuest
- Oracle, MySQL, Sybase

Operating Systems

- Windows 2000, XP, Vista
- UNIX
- Ubuntu, SUSE Linux
- Mac OS X

Awards

- James Madison University Distinguished Graduate in Computer Science 2005
- James Madison University Department of Computer Science George Boole Award
- Freddie Mac Premier Achievement Award, special recognition for exceptional performance awarded to the top 2% of employees per year by the Executive Vice President of the Operations and Technology division
- Freddie Mac Rising Leaders Team Player of 2006 Award, for "promoting leadership, encouraging participation, and valuing the contribution of others" and executing a successful mentoring program