
ROBERT M. BALDWIN

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OBJECTIVE

Software Engineering position. Experience: R&D, team, and individual environments; 4.5 years software and web.

EDUCATION

University of Central Florida; Orlando, FL — 2003-2007

GPA: 3.79 / 4.0

Computer Science (B.S.), Mathematics (minor)

Cum Laude and University Honors

- **The Honors College** - Experienced enriched and accelerated learning in traditional and non-traditional classroom settings; development of personal and business management skills.
- Recipient of 11 academic, civic, and technology scholastic awards, totaling more than **\$39,500**
- 1 year on **President's List** Honor Roll and 3 years on **Dean's List** Honor Roll, 2003 - 2007
- UCF Programming Team, ACM, Mentoring Program, Body of Animal Rights Campaigners

EXPERIENCE

Avatar International, Software Engineer; Sanford, FL — 2007 - present

Created and managed internal applications and an external reporting engine in mostly a team environment.

- **ImprovingCare.com**: Lead Developer and **Product Owner** for this major patient satisfaction reporting engine. Enhanced **user experience** of complex data for healthcare professionals. PHP5, MySQL, AJAX.
- Designed **information architecture** for and leading development of an **MVC**-pattern, **RESTful API**. Python.
- Replaced legacy system with a supplemental PDF reporting engine, **saving 500 hours of labor per year**.

Independent/Contract Work, Software Engineer; Orlando, FL — 2004 - present

Created and managed several iterations of more than a dozen websites. PHP, MySQL, HTML, CSS, JavaScript.

- **Most Active Users** and **Most Activity** Facebook Application for the Web: fbCal.com, Nov 2007 - Mar 2008.
- Road-Runner's Internationale, **Website of the Month**: BobAbernethy.com, August 2005.
- Full website portfolio (csbob.com/portfolio), including FocusHabits.com, fbLink.com, and MriPhone.com.

L3 Communications (Link Sim. & Training), Software Engineer; Orlando, FL — 2006

Researched, developed, and presented new training systems for Link Simulation and Training's Strategic Technologies Team's Independent **Research and Development (IRAD)** group for simulation purposes.

- Received a **Team Achievement Award** for my exceptional performance on the UAS Prototype project, nominated by Lead Investigator of Emerging Technologies Mark Falash. The **Unmanned Air Vehicle Control Training System** utilized technologies to remotely control UAVs, including: XML, XHTML, CSS, client-side JavaScript, AJAX, Flash, Java servlets, C++, and QT.
- **Congressional Modeling & Simulation Caucus 2006**: Demonstrated our UAV Training System to congressman and caucus chairman J. Randy Forbes and his congressional colleagues.

University of Central Florida, Teaching Assistant; Orlando, FL — 2004, 2006

Computer Science Teaching Assistant for C Programming course, as well as Advanced Problem Solving.

- Course's **best-rated teaching assistant** over two terms by students, "highly knowledgeable."

United Space Alliance (NASA contract co.), Software Engineer; Houston, TX — 2005

Engineered software for the Navigation at Johnson Space Center, supporting NASA's space shuttle program.

- **Division-Wide Employee of the Month** (June 2005), nominated by Navigation and Flight Design Integration's Manager II Gregory Schrage and Director of Flight Design Dynamics Angie F. Najarian.
- **Fast Automated Scheduling Tool (FAST)**: Prime developer of the automated navigational flight controller scheduling tool at Johnson Space Center. Automation techniques demoed to NASA. Written in VBA.
- **Trajectory Server Memory Manager**: Tracks memory usage in NASA's Trajectory Server. Written in Tcl/Tk.

TECHNICAL SKILLS

**Programming
Technologies
Software**

PHP, Python, Java, Javascript, C, C++, Visual Basic, VBA, Tcl/Tk, Lex/Yacc, Lisp
LAMP, AJAX, MySQL, CSS, HTML, DHTML, Qt, DOM, XML, XHTML
Dreamweaver, Photoshop, Xcode, Visual Studio, Visio, Project, Frontpage

For the **expanded version** of this resume, please visit <http://www.csbob.com/cv/> at any time.