

# Brittany Kos

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## Technical Skills

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- Java - class design and object-oriented structure, design patterns
- PHP, SQL – various web applications supported by databases
- HTML, CSS, Javascript, jQuery - web design, UI, layout
- C++ - object-oriented structure, design patterns, and computer architecture
- Python – 2.6/3.1
- Adobe - Dreamweaver, Photoshop, Fireworks, Flash

## Education

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B.S. Computer Science - emphasis in Human-Centered Computing

University of Colorado at Boulder - 3.2 GPA

Expected graduation date: May 2012

Minor in Technology, Arts and Media

## Employment History

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Arts and Science IT: Web Application Developer, October 2010 - Present

JILA: Student Web Developer, September 2010 – January 2011

## Projects

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- Senior Independent Project: Built web page for a class with SQL backend. Holds user accounts, forums, notes, deliverables, and has mass email functionality.
- Junior CHI 11 Project: Built a “21<sup>st</sup> Century Photo Booth.” This was a video booth that recorded people sharing about a topic, so we could share similarities, differences, and culture between people. Completed iterative development design cycle with lo-hi prototyping and user testing.
- Junior Digital Media Project – Built “Hotspots.com” with a group, a PHP/SQL webpage where users could create accounts, build road trips by visiting hotspots, and administrators could add and edit hotspots.
- Freshmen Team Project: Built a “Magic Mailbox” that acquired pictures from a webcam, attached image to emails, and interfaced with STPM server to send emails. Performed iterative design, user testing, and built high and low fidelity prototypes.
- Lockheed Martin Explorers Program Project: Built miniature rocket that was launched and carried payload. Payload was fully functioning, course navigating robot.

## Leadership

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Group Leader – Hotspots.com

- Delegated tasks to group members, responsible for backend programming and standardizing GUI

Software Leader – Magic Mailbox project

- Designed GUI interface - primary software developer for project

## Honors and Awards

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- Best Design for 21<sup>st</sup> Century Photo Booth
- Best website for Hotspots.com
- Best Freshmen Project for Magic Mailbox
- Runner Up for User’s Choice Award for Magic Mailbox
- Best Navigating Robot Design/Best Rocket Design for Lockheed Martian Explorers Program