Steven MacCoun

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Objective: Fulltime position as Software Developer

Education

- **University of Colorado Graduate School** — Boulder, CO
  Master's of Science: Computer Science — *January 2012 - May 2013*

- **University of Colorado** — Boulder, CO
  BA Physics — *Sept. 2006 - May 2011*

Work Experience

- **Software Engineer** — Laboratory for Atmospheric and Space Physics
  Graduate Research Assistant, 20-40 hours/week — *May 2011 - Present*
  - Worked on the primary GUI used to schedule and plan satellite events and activities.
  - Integrated OpenGL into Swing GUI in order to create faster, more dynamic interface
  - Automated standard scheduling procedures: parsed structured data, inserted into database, and updated GUI
  - Created schedule sanitizers and checkers to validate schedule data

- **Undergraduate TA** — University of Colorado
  Learning Assistant, 10 hours/week — *Jan. 2009 - May. 2009*
  - Faciliated problem solving techniques among groups of 4-6 students in introductory physics
  - Developed effective ways to handle small group dynamics

- **Physics Tutor** — CU ASAP Program
  Mechanics/EM Tutor, 10 hours/week — *Feb. 2010 - Fall 2012*
  - Applied knowledge of mechanics and electricity and magnetism to aid student understanding
  - Enhanced personal pedagogical and team management skills for working in small groups

- **Physics Undergraduate Research** — Nuclear Physics Laboratory
  Research Assistant, 15 hours/week — *Jan. 2010 - Sept. 2010*
  - Helped in constructing and designing aspects of detector to be built for Fermilab
  - Responsible for researching and gathering appropriate materials to fit design principles
  - Certified for machine shop

Awards

Noyce Fellowship *Awarded 2009* 10,000 dollar scholarship. Performed research in undergraduate physics education.

Skills & Interests

Languages: Java, Python, Javascript, C/C++, XSLT, Ruby

API/Libraries: Swing, OpenGL/JOGL, JDBC, Android, JQuery, Bootstrap

Database: Sybase

RCS: Git