

# Ian Boswell

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## Professional Experience

- **Embedded Developer**, Amelia's Compass, Pine Grove Mills, PA 8/15-current
  - Maintain and extend PIC codebase for MIDI device
  - Train development team in Git
  - Establish version control for existing code
- **Lead Developer**, Worldbuilding for Education, State College, PA 4/15-current
  - Develop web application for use in project-based middle school curriculum
- **Android/Embedded/Web Developer**, Atoptix, State College, PA 9/14-current
  - Create Android app to interface with in-house spectrometer and remote server
  - Develop PIC code for spectrometers
  - Set up internal Git server
  - Create web application for processing and storage of spectrometer data
- **Android/Web Developer**, Penn State University, State College, PA 2/14-current
  - Maintain and add features to Android survey app for social science researchers
  - Overhaul and refactor undocumented codebase
  - Create automated testing framework to replace cumbersome manual testing
  - Migrate code from SVN to Git
  - Refactor, document, and add live projects to source control
  - Manage Linux development and production servers
  - Build web applications from scratch
- **Web Developer**, LobsterAnywhere.com, Lowell, MA (*remote*) 1/14-current
  - Migrate data to new website and platform
  - Fix bugs and add new features to online store
- **Freelance Software Engineer**, State College, PA (*remote*) 11/13-current
  - Build mobile and web applications from scratch
  - Migrate databases between platforms
  - Administer Linux webservers
  - Maintain and extend eCommerce websites

## Education

- **University of Kansas**, Lawrence, KS 2011-2012
  - Masters of Music in Composition
  - Graduated with honors (GPA: 4.0)
- **Macalester College**, St. Paul, MN 2005-2009
  - Bachelor of Arts with Music Major and History Minor
  - Graduated magna cum laude (GPA: 3.82)