

# Gavin Shriver

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## RELEVANT EXPERIENCE

### Software Engineer, InlineAB 2013

- Built inline markup based AB testing library that integrates with Google Analytics as free Optimizely competitor.
- Uses pure vanilla Javascript, no third party libraries, and is optimized to be compatible down to IE 8. Automated analytics setup with Google uses Node.js and Angular.js along with Google's Management API.
- Streamlined test creation with Google Analytics using closed beta API and alpha Node.js library.

### Software Engineer, Notable 2013

- Allowed offline manipulation and preservation of data upon disconnect or browser crash. Implemented action history for undo and redo events. Written in Coffeescript using Backbone and Marionette.
- Uncovered and helped to resolve major bugs and memory leaks present in product since previous release.
- Resulted in a major product release. Currently being used for funding rounds.

### Engineer and Researcher, Speech Intelligibility 2008 - 2010

- Developed programs and technology to significantly improve the speech intelligibility in a large reverb environment without impacting architectural acoustics, for one of the oldest cathedrals in Seattle.
- Wrote programs in Mathematica to visually and mathematically model the acoustics of the Cathedral. Wrote programs using LabView to reverse engineer the programming of digital sound processing units.
- Sound quality improved significantly from nearly inaudible to near perfect intelligibility. Work resulted in Cathedral leaders awarding the master key to the Cathedral. Used daily at the Cathedral since 2010 for a 300+ audience.

### Software Engineer, Pitch Lab 2008 - 2010

- Wrote a program to scientifically test human pitch perception as part of a landmark research project in acoustics.
- Implemented Java's RMI to immediately store data on remote server and provide email notifications.
- Migration from the original app developed in the 1990s allowed continuation of this research cross-platform, with remote administration, and with additional testing parameters.

## INTERNATIONAL WORK EXPERIENCE

### Teacher, Taegang Samyuk Elementary School Feb 2012 - Sept 2013

- Developed innovative and interesting teaching materials to facilitate productive classes for over 200 students.

### Head English Teacher, Avalon English July 2010 - Feb 2012

- Trained and managed six teachers collectively teaching 400-600 students in addition to teaching full-time.

## EDUCATION

### Hack Reactor, Advanced Software Engineering Immersive 2013

### University of Washington, Bachelors of Science Degree 2010

Major: Physics, Focus: Computer Science, Electrical Engineering, Acoustics. Academic award recipient.

## SKILLS

**Tech Skills:** (listed in order of proficiency), Javascript, CoffeeScript, HTML, CSS, Java, Mathematica, Git, JQuery.js, Backbone.js, Marionette.js, Node.js, Express.js, Jasmine, Angular.js, Python, Ruby, MySQL, SQLite, PostgreSQL, LabView, Bash

**Language Skills:** Basic Korean (2007 - Present)