# Matt Jibson

303-902-6948
matt.jibson@gmail.com
https://mattjibson.com/
https://github.com/mjibson

## Work Experience

March 2012-present **Stack Overflow / Stack Exchange**
Developer. *go, c#, javascript, sql-server, angularjs*
Features and maintenance for Stack Overflow Careers. Internal applications for the SRE team. Primary author of Bosun, a Go-based monitoring and alerting system.

June 2011-March 2012 **Seagate Technology**
Senior Engineer. *python, mysql*
Wrote and maintained various custom tools and web apps to address or discover internal issues and problems.

2000-present **US Geological Survey**
Consultant. *java, sql*
Worked with a scientist to implement algorithms in usable programs. Various implementations written in C++, Java, PHP, SQL.

## Software Development

Bosun
Alerting and monitoring system in Go. Includes a cross-platform agent for autodetecting and collecting data.

mog
In-progress work on an audio player in Go that can play various kinds of music (wav, mp3, flac, nintendo sound files) from different sources (google drive, dropbox, soundcloud, bandcamp, local machine) and works the same on popular OSs (Linux, Mac, Windows).

goread
Open-source RSS reader in Go, on App Engine with AngularJS. Profitable, with hundreds of paying users.

appstats
Appstats for Go on Google App Engine. Ported from python.

MiniProfiler
A simple but effective mini-profiler for Go websites.

goon
Autocaching interface to the App Engine datastore for Go.

nsf
Nintendo Sound Format emulator for Go. Involves emulating a 6502 CPU, 2A03 audio chip, and a 65k RAM with register for the two chips to communicate.

go-dsp
Digital Signal Processing package for the Go language. Contains functionality for the fast Fourier Transform and other useful functions.

SLAMMER
Programs for seismic landslide analysis in Java.

## Education

2009 **M.S., Electrical Engineering**
*Colorado State University, 3.2 GPA.* TA for EE451 - Digital System Design and EE571 - VLSI System Design.

2007 **B.S., Computer Engineering**
*Colorado State University, 3.3 GPA.* Second place at E-days competition for our pipe/electronic organ. I conceived and led the project. I taught myself Verilog and programmed the FPGA and wrote a paper on a new method for synthesizing organ sounds.

2007 **B.M., Piano Performance**
*Colorado State University, 3.3 GPA.* Wendel Diebel award for musicianship. Also learned quite a bit of organ.