# GATLIN C JOHNSON

7910 Gault St #201 ⋄ Austin, Texas 78757

(512) · 944 · 8964 ⋄ gatlin@niltag.net

## EDUCATION

**University of Texas, Austin**                                            *June 2012*
B.S. in Computer Science

## SELECTED EXPERIENCE

**Shady Hill Studios**                                          June 2016 - Present
*Software Developer*                                                    *Austin, TX*

· Designed and built a collaborative document editing system based on operational transformation.
· Consulted on the architecture of a live product, Lunamoons.com

**IPsoft**                                                   March 2015 - April 2016
*R&D Engineer*                                                         *Austin, TX*

· Worked on intelligent data center management software, front and back-end.

**Know Your Contracts**                                  March 2014 - February 2015
*Software Developer and Manager*                                       *Austin, TX*

· Designed and built a platform for guided processing of contracts into ontologies.
· Worked full-stack on a reactive web application to use said ontologies.

**Andrew Harper**                                        March 2013 - February 2014
*Software Developer*                                                   *Austin, TX*

· Developed a Bayesian inference system to qualify human generated data.
· Worked on an internal REST API powering the current website and services.
· Occasionally gave seminars on git usage.

**HostGator.com**                                        May 2011 - December 2011
*Developer*                                                            *Austin, TX*

· Maintained & built infrastructure for a hugely popular web host.
· Developed user-friendly "one-click" web application package management system.

## SELECTED PROJECTS & OTHER WORKS

**Alm**                                            https://github.com/gatlin/Alm

· A functional reactive TypeScript library for building declarative applications. Features a virtual DOM, protected state storage, and sophisticated event handling.

**Essays**                                                    http://niltag.net/essays

· Miscellaneous programming and computer science essays written for myself and others on various topics.

## TECHNICAL STRENGTHS

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|---|---|
| **Computer Languages** | Python, Haskell, JavaScript, TypeScript, Java, Perl, C/C++, Scheme |
| **Topics** | Programming languages, type theory, automated reasoning, category theory |
| **Tools** | git, emacs, vim, make, node, bash, unix, IDEA if need be |