

Christina L Austin, PhD

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tl;dr: skills

Ruby on Rails, Data Architecture, Javascript, Angular, SQL, RSpec, HTML, CSS, Git, TDD, AWS, molecular genetics

Timeline

Intro, Foster City. Nov 2019 - present

Founder, www.intro.codes

- Indie social network with no ads, no data-selling and no venture capital
 - conceived of, designed, coded, deployed and maintained by me
 - Rails 6, Javascript, CSS
 - implemented content note functionality as a declarative state machine written in CSS, documented here: <https://link.medium.com/yKn6ZBAWo9>

Google, Sunnyvale. Sep 2018 - Oct 2019

Software Engineer L4

- Worked on the Golang Cloud Development Kit, an open source project for seamless multi-cloud development in Go.
 - `gockd` command line tool for scaffolding web apps and cloud deployment

One Medical Group, San Francisco. May 2015 - Mar 2018

Software Engineer -> Senior Software Engineer

- Tech Lead for electronic prescribing integration, including electronic prescribing of controlled substances (EPCS)
 - designed the data architecture for our clinical prescribing data and implemented a substantial refactor of the legacy system
 - responsible for data integrity assurance for electronic prescribing of controlled substances
- Product owner, over multiple years of 2-3x/year hackathons, of a population-health tool for ensuring continuous care for our most vulnerable patients.
 - conducted requirements gathering from physicians and health coaches
 - designed the system with a focus on user experience
 - designed and implemented data architecture
 - collaborated with 1-2 front end engineers per hackathon
 - launched a stand-alone Angular5 app utilizing our core APIs
 - acted as the infrastructure engineer to provision and configure AWS in multiple environments for the Angular app deployment

- Wrote Rails database adaptor patch to allow schema changes in production
 - documented the patch at <https://medium.com/@clausti/1bbc964d8304>
- Data architecture and implementation for creating structured, query-able data out of lab test results, ingesting HL7 pipe-delimited flat files
- Wrote and executed data migration for millions of in-office vitals measurements, unifying the schema with lab result data and enabling visualization of time-series cross-reference
- Wrote server code for transitioning from ICD-9 (flat list) to ICD-10 (tree with only leaf nodes billable) billing code data structures
- Wrote server code for Stripe integration and converting our payment system from Paypal to Stripe
- Designed membership event tracking system to enhance understanding of retention and churn

Additionally:

- ran releases
- conducted technical interviews
- wrote internal API style guide

The Climate Corporation, San Francisco. Jan 2014 - Apr 2015

Junior Software Engineer -> Software Engineer

- *Ruby/Rails support for Total Weather Insurance sales flow, policy cancellation, and policy documents*
- *Designed and led implementation of new JRuby on Rails document management applications to serve TCC's build-out of "Multi-Peril" federal crop insurance software*

App Academy Sep 2013 - Dec 2013

PhD in Molecular Genetics, The Ohio State University, Columbus, OH. Sep 2007 - Aug 2013

- *Studied Epidermal Growth Factor Receptor (EGFR) signaling, a powerful growth pathway which can instruct cells to divide rapidly. It is critical for embryonic development and often involved in human cancers. ([publications](#))*

Volunteer Coordinator, [SwingColumbus](#), Columbus, OH. May 2011 - Jul 2012

BS in Genetics, Clemson University, Clemson, SC. Aug 2003 - Dec 2006

Rock Climbing Guide, New River Mountain Guides, Fayetteville, WV. Summer 2006

Director of ChangeOver, TigerPaw Productions, Clemson, SC. Aug 2004 - May 2005

Led teams of up to 40 people for a weekend, building stages, erecting crowd barricades, and otherwise preparing the 10k-seat arena for concerts and events. ([time-lapse video](#) of a changeover)