

Liam Howell

<http://liamhowell.com>
hi@liamhowell.com | 941.726.5842

SKILLS

PROGRAMMING

Go • Python • Typescript • Java/C#
OCaml • Bash • TensorFlow • Vim
CI/CD • Docker • k8s • \LaTeX

EDUCATION

SELF TAUGHT

PROGRAMMING CURRICULUM

Clean Code (Prentice Hall)
Concurrency in Practice (Addison Wesley)
Effective Java (Addison Wesley)
Python Cookbook (O'Reilly)
Teach Yourself PHP, MySQL, and Apache (SAMS)
Pro Javascript Techniques (Apress)
Beginning Haskell (Apress)
The Functional Approach to Programming (Cambridge)

OTHER LANGUAGES AND TECHNOLOGIES

UNIX
The Zen of CSS Design (New Riders)
Teach Yourself XML (SAMS)
git documentation
Spring documentation
Harnessing Hibernate (O'Reilly)
RESTful Web Services (O'Reilly)

COURSERA

CRYPTOGRAPHY I
2014 | Online

HARVARD EXTENSION

COMPUTER SCIENCE

2011-2012 | Online (Graduate-level)
Data Structures
Communication Protocols and Internet Architectures
Java for Distributed Computing
Abstraction and Design in Computation

STETSON UNIVERSITY

GENERAL BUSINESS

2007-2010 | DeLand, FL

EXPERIENCE

GUIDELINE (SOFTWARE ENGINEER)

May 2023 – Present | Remote

- Improved and maintained backend systems for money movement, particularly focusing on 401k-backed loans.
- Enhanced the invoicing system and resolved numerous ad-hoc issues, ensuring smoother operations.
- Utilized Ruby on Rails with Sidekiq to develop and support new features and fix existing bugs.
- Collaborated closely with cross-functional teams to understand and resolve system issues, contributing to a more reliable financial platform.

SYMBIONT.IO (SOFTWARE ENGINEER)

Nov 2017 – December 2022 | New York, NY

- Developed smart contracts for private equity, mortgage servicing, and forex.
- Added migration capability to the BFT consensus network layer of the Symbiont distributed ledger.
- Contributed to internal tooling and external SDKs, enhancing development efficiency.
- Published CircleCI orbs to streamline CI configurations across the organization.
- Played versatile roles including architecture, frontend, backend, infrastructure, QA, and project management in a flat organization.

SEEDINVEST (SOFTWARE ENGINEER)

Sept 2016 – Sept 2017 | New York, NY

- Led the redevelopment of the application flow for raising capital.
- Developed reusable AngularJS modules, significantly reducing development time across the platform.
- Achieved high satisfaction metrics in interactions with founders and investors.

MOBIQUITY (WEB DEVELOPER)

July 2014 – August 2016 | Gainesville, FL

- Built a voice-controlled website backed by Alexa that guides users through recipes hands-free.
- Worked on websites for Fortune 500 companies including CVS and Pfizer.

FERAPOD (SOFTWARE ENGINEER & FOUNDER)

February 2009 – July 2014 | Gainesville, FL

- Created proprietary encryption protocols leveraging AES and Diffie-Hellman.
- Managed implementation, infrastructure, and subcontractors for design.

PROJECTS

LT TOOLTIP

<https://github.com/liamitus/lt.tooltip>

Open source Angular.js module to add customizable tooltips to a website.