

Liam Howell

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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

SKILLS

PROGRAMMING

Comfortable:

Java • JavaScript • CSS • Python
OCaml • Go • PHP • Shell • Vim

Familiar:

C • Haskell • Rails • AS3 • Lua
Assembly • \LaTeX

EXPERIENCE

SEEDINVEST (SOFTWARE ENGINEER)

Sept 2016 – Current | New York, NY

- Led redevelopment of the application flow for raising capital.
- Wrote reusable Angularjs modules to save development time across the platform.
- Expanded queues to improve performance of concurrent tasks.
- Drastically cut page load times by caching targeted bottlenecks.
- Performed routine maintenance and infrastructure improvements.
- High satisfaction rates when interacting with founders and investors.

MOBIQUITY (WEB DEVELOPER)

July 2014 – August 2016 | Gainesville, FL

- Built a voice-controlled website backed by Alexa that walks you through a recipe while keeping your hands free.
- Aggregated multiple sites into a single dashboard for a large non-profit youth organization.
- Worked on the website of a Fortune 100 company (CVS).
- Improved page load time by 12% by compressing images and combining them into a spritesheet.
- Reduced server calls by implementing a timer in JavaScript.
- Front end design and implementation for internal tools.

FERAPOD (SOFTWARE ENGINEER & FOUNDER)

February 2009 – July 2014 | Gainesville, FL

- Created proprietary data encryption protocols leveraging AES and Diffie-Hellman key exchange.
- Planned and implemented 2000+ unit and integration tests using JUnit, TestNG, and Jasmine.
- Software development planning (Flowcharts, use cases, features list, requirements, and UML diagrams).
- Web servers deployment and maintenance.
- Prototyped GUI desktop in the browser.
- Managed subcontractors.

PROJECTS

LT TOOLTIP

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

Open source Angularjs module to add customizable tooltips to a website.

CERTIFICATIONS

AWS

Certified Solutions Architect - Associate Level

ACTIVITIES & INTERESTS

Gym • Yoga • Jogging • Brazilian Jiu-Jitsu • Gaming • Wakeboarding
Cooking • Art • Literature • Theater • Computers (of course)