

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

MOBIQUITY (WEB DEVELOPER)

August 2014 – Current | Gainesville, FL

- Combined functionality behind 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.
- Front end design and implementation for an internal tool.

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.

FOODLOVE.SG (UNDER CONTRACT TO)

Jan 2014 – June 2014 | Singapore

- Deployed and maintained Wordpress/PHP site to Amazon EC2.
- Planned and implemented server security.

AVANTROGUE (UNDER CONTRACT TO)

May 2011 – July 2011 | Philadelphia, PA

- Implemented business logic for ROI calculator.
- Followed strict client specifications.

PROJECTS

LT TOOLTIP

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

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

ACTIVITIES & INTERESTS

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