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SIDE PROJECTS.

We Have We Need

Disaster relief communication service.

Involved with building a system that allows the secure, private way to communication between people involved in a disaster relief effort, with a focus on supply sharing. Allows multiple entry points including SMS, email, web interfaces.

Grub Haus

Recipe collaboration web application.

Involved with designing and spec'ing out a software system that will try to encourage chefs of all skill levels to share recipes, talk about food, and collaborate.

COURSEWORK.

Operating Systems.

Implemented a multi-threaded mini-operating system using Java that had the ability to run UNIX-like binaries. Involved implementing threads and synchronization primitives.

Programming Paradigms.

Established fundamentals in functional, dynamic, and logical programming principles and techniques through the study of OCaml, Python, and Prolog.

Advanced Software Engineering.

Practicing agile, object-oriented software engineering practices, including scrum, pair-programming, etc. Built a SaaS application using Ruby on Rails, MongoDB, etc.

OBJECTIVE.

To use recent breakthroughs in software engineering techniques and algorithmic theory in solving practical problems in contemporary society.

EDUCATION.

University of California, San Diego September 2009 - June 2013
Warren College
B.S. in Computer Science
expected 2013

PROFESSIONAL EXPERIENCE.

Amazon, Inc. Software Developer June 2012 - September 2012
Instant Video Intern

Improved internal development process by building a web tool that allows developers quick access to external endpoints that are constantly accessed by the dozens of devices supported by Amazon Instant Video.

Social Print Studio September 2011 - April 2012
Software Engineering Intern

Designed and partially implemented a web-based infrastructure that incorporated photos from various social mediums into print-based products.

Contract work for Vizio, Inc. Photo aggregator/displayer and automatic printer web service of all photos tagged #viziorosebowl for use at the 2012 Rose Bowl.

Contract work for Marc Jacobs International, LLC. Web album for all photos tagged #marcfam. Included an administration panel that allowed for easy moderation of photo content.

Anybeat Inc. June 2011 - September 2011
Software Engineering Intern

Designed and partially implemented a web-based infrastructure that incorporated photos from various social mediums into print-based products.

Jet Propulsion Laboratory. June 2008 - August 2008
Web Developer Intern

Redesigned and implemented a basic website for displaying information for a business division regarding auditing equipment, prototypes, and parts. Written using PHP, HTML, CSS.

SKILLS & KEYWORDS

Linux, OS X, Ruby, Rails, Redis, Resque, Sinatra, Heroku, Python, Django, PostgreSQL, Dotcloud, Java, Servlets, Vim, Eclipse, XML, JSON, YAML, JavaScript, Coffeescript, JQuery, BackboneJS, UnderscoreJS, amdjs, SASS, HAML.

Test Driven Development, Behavior Driven Development, Agile, Scrum, User Stories