

KAMAL RADHARAMANAN

skills: software development | design | excellent communicator | team management | prototype development
technologies: javascript | ruby | d3 | node.js | jspm | mongo | mysql | git | command-line | adobe CS | css | various frameworks
learning: webgl | swift | rust | scala

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EDUCATION

GEORGIA TECH
M.S. Electrical and Computer Engineering
2008 – 2010
FOCUS: electromagnetics, signal processing, electric power
ACTIVITIES: Web Startups, Atlanta Regional Commission

GEORGIA TECH
B.S. Biomedical Engineering
2004 – 2008
FOCUS: medical imaging
RESEARCH: tissue engineering
ACTIVITIES: YJFC, Wu Shu, Power Lifting

RESEARCH

GEORGIA TECH
Yadong Wang Lab
August 2006 - May 2007
Developed CAD model and drafted bill of materials for tricuspid valve mandrel. Contacted industrial suppliers to secure supplies for different development efforts. Machined mandrels and cast salt molds for aorta project. Prepared polymer for polymerization of salt molds. Helped develop and perform extraction process of polymerized tissue scaffold from molds. Attempted to produce molds for tricuspid valve project.

May 2006 - July 2006
Machined and constructed nylon thread mandrel for cardiac tissue scaffold project. Cast salt molds for small diameter artery project.

EXPERIENCE

PROTOTYPE ENGINEER

Ravel Law
June 2015 – Present, San Francisco Bay Area

Work with cross-functional team of Product Managers, Data Scientists, and Designers. Implement full-stack prototypes of data products and visualizations outside of the production stack. Iterate on prototypes, design, and product needs until well-formulated specifications are determined for production engineers. Primarily work with Mongo, ES6/2015, Node/NPM, Koa, CSS, d3, native SVG, Adobe Creative Suite. Some work in Swift, continuing experiments in React, Mithril, JSPM. Experimenting with WebGL, Rust, and the expanding panoply of web technologies. Trying ZenHub for task management.

ACTING LEAD FRONT END DEVELOPER

Ravel Law
December 2014 – May 2015, San Francisco Bay Area

Lead transition of the client-side web application from Rails pre-rendered HTML delivery to single-page Ember application. Managed team consisting of an Ember consultant, a junior front-end developer, and a designer. Team expanded to include two back end developers briefly. Primarily worked in ES6/2015, d3, Stylus, Ember, Ember-CLI, Git. Maintained a detente with Jira ticket-management.

SOFTWARE DEVELOPER

Ravel Law
November 2012 – December 2014, Palo Alto, CA

Functioned as Lead Designer and Full-Stack Engineer. Most of my work focused on the client side, data visualization, and full stack for user data. Responsible for the entire client-side production application and most of the application middleware. Interfaced with various backend services i.e. Solr, Mongo, Cassandra, Redis, and many others. Part of core team to get company to Series A from prototype. Visually interesting full stack projects include: Boolean Syntax Highlighter, Jurisdiction Selector, Court-Separated Force-Directed Visualization, and many more. Primarily worked in CoffeeScript, SASS, Ruby, HTML, d3, jQuery, Rails, MySQL, command line, Git, Amazon Web Services/EC2. Managed personal workflow with Asana.

CO-FOUNDER

RentLeap, LLC
2009 – 2011, Greater Atlanta Area

Developed various projects with Co-Founder. Such as: online gradebook and classroom management system for teachers, competitive learning application, templating engine for realtors creating personal websites with MLS syndication, ACH-based rent-collection for property managers (a year before Stripe existed, for comparison). Worked in Adobe Creative Suite, HTML, CSS, Javascript, some Rails. Did all the paperwork for incorporation, and dealt with the taxes.