

# Sam Havens

CTO

## C O N T A C T

Website

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Phone

(818) 590-0484

## P R O F I L E S

[stackoverflow](#)

[GitHub](#)

[LinkedIn](#)

## S K I L L S

**Web Development** (Senior): JavaScript, Node.js, Express, React, Hapi, d3.js, SQL

**DevOps** (Mid): AWS (EC2, Beanstalk, ECS), NGINX, Docker, Jenkins

**Other Programming Languages** (Mid): PHP, Elixir, Python, Mathematica

**Management/Executive** (Mid/Jr): Growing a team, performance coaching, budgeting, pursuing investment

## W O R K E X P E R I E N C E

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### CTO at [CarLabs](#):

I make sure the engineering team is functioning efficiently and realizing business goals. In addition to fundraising, growing and maintaining the team, and technical sales work, I still write software. I make front-ends with React and Redux and backends with Node.js (or Elixir or PHP). I try to automate as much as possible with Jenkins, Beanstalk, Docker, and the like.

- | Grew tech team from 2 to 9 full-time members.
- | Frequently met with the board, investors, and clients.
- | Led transition to Agile/DevOps methodologies.
- | Fostered a culture of continuous improvement with technical "Lunch and Learns" on functional JavaScript, Elixir, and Machine Learning.
- | Ran the "San Fernando Practical Deep Learning For Coders" Meetup.

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### Full Stack Developer at [CarLabs](#):

I was all over the stack: backend (Node.js), front-end (React, Redux), and design (Sketch).

- | Improved front-end build process to use Webpack and ES2015.
- | Designed and built a mobile web app using Node.js, React, and Webpack.
- | Pitched product design which became the focus of the company.

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### Full Stack Developer at [RevMaker](#):

I wrote PHP scripts for data processing, lead validation, and submitting leads in real time. I worked on an MVC web

app, written in Yii, for lead generation, and did some front-end work, mainly CSS, jQuery, and d3.js.

- Built a lead-scrubbing tool using PHP and MySQL that scored leads using a statistical model.
- Made a research tool using Yii, MySQL, jQuery and d3.js that updates charts in realtime in response to user input.

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**Board Member** at **Topanga Mountain School:**

As a board member, I work to increase employee retention, automate processes for teachers and administrators, and find new sources of funding for innovative programs. Previously, I was a full-time math and science teacher from 2007-2013. I trained new hires, designed curricula, and constantly improved my methods by incorporating new strategies and technologies.

- Introduced new technology early: Khan Academy in 2009, and Duolingo in 2012.
- Ran the programming club, which regularly had attendance of over 10% of the student body.
- Brought programming into the math program.
- Modernized the focus of the statistics unit by utilizing Google Sheets and Tuva Labs.
- Researched and implemented new employee benefits program.

E D U C A T I O N

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California State University-Northridge

- Master of Science: *Mathematics (4.0)*

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University of California, Santa Barbara

- Bachelor's Degree: *Physics (3.1)*

A W A R D S

B i a n c h i O u t s t a n d i n g G  
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**California State University Northridge**

- Awarded to one graduate student per year in the College of Science for outstanding academic and research performance.

I R I S F e l l o w  
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**Interdisciplinary Research Institute for the Sciences at CSUN**

- For research in mathematical physics.

L A N G U A G E S

- English
- Native Speaker
- Spanish
- Intermediate
- French
- Beginner