

Jascha Ephraim

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SUMMARY

I am currently a full-stack software engineer at Cargomatic Inc., and have been a freelance developer since 2005. I have professional experience with a variety of frontend and backend technologies, and enjoy adapting quickly to new ones.

While most of my professional experience is in web development, I particularly enjoy working on projects involving machine learning, artificial neural networks, simulations, etc. I would love to branch into game development at some point in my career.

My work is informed by multiple aptitudes and life experiences, including musical composition and performance, multimedia production, writing and editing, and Buddhist chaplaincy.

PROFICIENCIES

- **Backend:** Go, Node.js, Python, PHP, Ruby, MySQL, Postgres, MongoDB, Neo4J
- **Frontend:** JavaScript/ES6, CoffeeScript, Webpack, React, Redux, CSS3, HTML5
- **Devops:** Sysadmin, AWS, Docker
- **Scientific applications:** Java, Matlab, R, E-Prime

NOTABLE PROJECTS

- [Emergency Market Mapping and Analysis Tool](#) developed for the International Rescue Committee and USAID. Browser-based, offline graphical mapping tool utilizing ES6, React, Redux, Immutable.js, Cytoscape.js, Webpack.
- [Bayesian decision network modeler and evaluator](#) written in Java, implementing both absolute probability calculation and estimation via Gibbs sampling.
- [Static website generator and development environment written in Node.js.](#)
- [LiveReload server for Go.](#)
- Article on [Elementary Neural Networks with TensorFlow: Training Perceptrons to Do Boolean Logic.](#)

EDUCATION

- 2012–2015 **University of the West** *Rosemead, CA*
M.Div., Buddhist Chaplaincy
- 2010–2011 **University of California** *Merced, CA*
B.S., Cognitive Science
High Honors, Dean's List, Chancellor's List
- 2009–2010 **City College of San Francisco** *San Francisco, CA*
- 2003–2004 **University of North Carolina** *Asheville, NC*
- 2000–2003 **Warren Wilson College** *Swannanoa, NC*

RELEVANT EMPLOYMENT HISTORY

- 2016–present Software Engineer
Cargomatic
Full-stack development—specializing in backend—of scalable shipping platform, including web and mobile clients, real-time location tracking, billing, operations administration, exception ticketing and resolution. Built using Node.js, Go, React, AWS.
- 1995–2015 Freelance Web Developer
Provided web design and development services, adapting open-source content management systems and creating custom frameworks.
- 2010–2011 Research Assistant
Laboratory of Professor Michael Spivey, Ph.D.
University of California, Merced
Assisted in design and implementation of behavioral experiments, ran subjects, maintained detailed records. Experiments involved mouse tracking, eye tracking, timed visual search.
- Research Programmer
Laboratory of Professor Evan Heit, Ph.D.
University of California, Merced
Programmed experiments according to specifications using Java and E-Prime. Studies addressed judgements involving deduction, induction, and varying reliability of information sources.
- Web Developer/Graphic Designer/Proofreader
Laboratory of Professor Qinghua Guo, Ph.D.
University of California, Merced
Designed lab and departmental websites, design and layout of print materials, proofreading of scientific journal submissions. Articles addressed spatial analysis of environmental LIDAR data.

