Kimberly Furuya

Software Developer
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Skills

Develop
Go, Python, Erlang, MATLAB, Machine Learning, Machine Vision, Data Analysis, Test Driven Development, I get excited about tests and monitoring and rigor

Define
Neuroscientist, First Responder, Teller of Puns

Professional Experience
sorted by relevance

Early 2015 - 2016
Software Engineer with Youtube Ad Surveys @ Google
• Updated and maintained SLA monitoring (Go)
• Productionized an A/B testing ads metrics pipeline

2014
Backend and Test Engineer @ Whisper App
• Led introduction and maintenance of all testing frameworks into whisper's build system. (Erlang, Elixir)
• Refactored and maintained tests for core user logic
• Implemented data migrations from MySQL to Cassandra
• Implemented core data models and functionality
• Participated in code reviews and styleguide generation

2013 & Present
Freelance and Remote Software Developer
• Full stack design and development of a touchscreen espresso machine app and sensor interface (Python)
• Software architecture consultant and developer for email compliance and deliverability startup (Python)

2012
Machine Vision Intern @ JPL, Machine Learning group
• Designed and implemented a background segmentation algorithm for the DARPA Mind's Eye project (C++)
• Dropped false positives from dynamic backgrounds from cyclic or colorspace drifting behavior

Late 2011 - Early 2012
Neural Interface Developer @ Caltech
• Performed electrode implantation in rodent brain surgeries
• Ran and debugged a legacy spike-sorting algorithm on electrophysiological data (Matlab)

Early 2010 - Late 2011
Engineer and Chemist @ Glucosentient, Lu·Lab UIUC
• "A highly selective lead sensor based on a classic lead DNAzyme". ChemComm. 46 (22) 3896-3898

Education

Fall 2013
MS-HCI Candidate, Interactive Computing
 @ Georgia Institute of Technology

2009-2013
BS in Computational and Neural Science, CS minor
 @ California Institute of Technology