

Kristi Tsukida

Engineer, Thinker, Creator

kristi.tsukida@gmail.com Seattle, WA 206.486.5778

Programming Skills

Objective-C, Python, Javascript, HTML, CSS, Bash, Matlab, C/C++

Technologies

iOS/iPhone, Django, JQuery, Git/SVN, Linux/Mac/Windows, CUDA GPU programming, microcontrollers, Photoshop/Illustrator, audio & video processing, machine learning, statistics

Experience

Senior Developer, Twistle, Inc. (2012-2013)

Developed messaging app aimed at improving healthcare by providing a delightful communication experience for doctors and patients. (Django/MySQL/EC2 backend, Backbone/AJAX frontend, Objective-C iPhone mobile app, Jenkins CI, Chef/Vagrant environments)

Machine Learning Researcher, Intelligent Design Lab, University of Washington (2010-2011)

Analyzed scoring and ranking based on paired comparison data using maximum likelihood and convex optimization (Matlab) . Chip-seq tag location algorithm for inferring precise protein binding locations in DNA (Python) . Linux cluster sysadmin.

Engineer, Intellisys Corp. (2007-2009)

Trained intelligent robots using a neural parallel-processing algorithm. Integrated voice command recognition, and real-time video and sensor processing for an autonomous embodied robot. (C, C++, CUDA, OpenCV)

Patent US20110119057: Neural segmentation of an input signal and applications thereof

Engineer, California Institute for Telecommunication and Information Technology (Calit2) (2006-2007)

Built high resolution multi-spectral art scanner system and user interface.

Developed hardware and software enabling wireless control and sensory feedback for a

custom robotic platform (microcontrollers, motor control, 802.11 wireless, Bluetooth, webcam)

Student Programmer, San Diego Supercomputer Center (SDSC)/Protein Data Bank (PDB) (2006-2007)

Automated management and monitoring of a destributed network of servers

School

Master of Science, Electrical Engineering (Machine Learning)

University of Washington

GPA: 3.8

Bachellor of Science, Electrical Engineering

University of California, San Diego

Regents Scholar, Provost's Honors, Major GPA: 3.8

Projects

Taikonome.com creator – an online taiko metronome written in ActionScript (with a dash of Javascript)

Sniper (mrglmrgl.com) – a code snippet engine using Django/JQuery

Command-Py (kristi.github.io/command_py/) – an experimental Python documentation search tool

Just for Fun

I have 1.5k points on StackOverflow

I've contributed to multiple open source projects

Performed Taiko (Japanese drumming) for 2009 World Baseball Classic (Naruwan Taiko) and 2011 National Taiko Conference's Taiko Jam concert (Inochi Taiko)

I have successfully thrown and caught a boomerang

More about me and my projects

<http://kristi.github.io/>

