Sam Winborn Gwydir

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EDUCATION	**Texas A&M University** College Station Texas USA **(May 2017)**
	Bachelor of Science in Computer Engineering, Computer Science Track

SELECTED PROJECTS

Click-Bait Blocker *(unreleased)*

Google Chrome Javascript convnetJS HTML CSS

- Google Chrome Extension to block "Click Bait", or pointless articles
- Aimed at Facebook and Twitter
- ConvNetJS implements in-browser neural nets to improve filtering
- Work is still progressing on training a deep supervised neural network

MythNAS

FreeBSD/NAS Mac OS X MythTV ffmpeg OpenSSH rsync ZFS

- Use MythTV and SiliconDust Cable TV tuners together in a custom DVR
- Shows can be recorded and deleted through web interface
- Use ffmpeg to cut commercials out of tv shows
- Launchd is used to maintain OpenSSH tunnels out to VPS
- rsync syncs remote laptop and DVR if network connectivity is available
- Make use of VPS in Frankfurt, Germany as a mirror
- Usage locations include Yuzhno-Sakhalinsk, Russia and Basra, Iraq

Eugenics *github.com/gwydirsam/Eugenics*

C++ CMake Google Test GNU GetOpts Python matplotlib Agile

- Eugenics is system to generate and visualize a genetic algorithm
- The algorithm attempts to generate circuits from a truth table
- Travis CI was used for continuous integration testing la Agile
- Created custom CMake/Shell scripts to build application and link libraries

iTerm2 Badge Mod *github.com/gwydirsam/iTerm2-Mod*

Objective-C

- Moved the per-tab label or "badge" to the bottom right
- Submitted Pull Request to iTerm2 Author (now issue #3508)
- The option to move the badge is now part of the version 4 milestone

Spacemacs *github.com/syl20bnr/spacemacs*

Emacs-Lisp Ruby

- Added spacemacs icon to "emacs-mac" homebrew formula
- Actively help users in IRC channel
- Several small bug fixes and Issues submitted

Github *github.com/gwydirsam*

SKILLS

Languages C/C++/Objective-C Bash Emacs-lisp Ruby Python Scheme Haskell Lua

Tools Emacs Git CMake GNU-Make Regular Expressions Mathematica