

# Sam Winborn Gwydir

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OBJECTIVE	Seeking a summer internship position that will provide an opportunity to contribute to important, real-world projects.
EDUCATION	<b>Texas A&amp;M University</b> College Station Texas USA (December 2016) Bachelor of Science in Computer Engineering, Computer Science Track
SELECTED PROJECTS	<b>Click-Bait Blocker</b> ( <i>unreleased</i> ) Google Chrome Javascript convnetJS HTML CSS <ul style="list-style-type: none"><li>• Google Chrome Extension to block “Click Bait”, or pointless articles</li><li>• ConvNetJS is used to implement an in-browser deep neural network</li><li>• Work is still progressing on training a deep supervised neural network</li><li>• This project is done with Chris Findeisen (<i>github.com/atrus7</i>)</li></ul> <b>MythNAS</b> FreeBSD/NAS Mac OS X MythTV ffmpeg OpenSSH rsync ZFS <ul style="list-style-type: none"><li>• Use MythTV and SiliconDust Cable TV tuners together in a custom DVR</li><li>• Shows can be recorded and deleted through web interface</li><li>• Use ffmpeg to cut commercials out of tv shows</li><li>• Launchd is used to maintain OpenSSH tunnels out to VPS</li><li>• rsync syncs remote laptop and DVR if network connectivity is available</li><li>• Make use of VPS in Frankfurt, Germany as a mirror</li><li>• Usage locations include Yuzhno-Sakhalinsk, Russia and Basra, Iraq</li></ul> <b>Eugenics</b> <i>github.com/gwydirsam/Eugenics</i> C++ CMake Google Test GNU GetOpts Python matplotlib Agile <ul style="list-style-type: none"><li>• Eugenics is system to generate and visualize a genetic algorithm</li><li>• The algorithm attempts to generate circuits from a truth table</li><li>• Travis CI was used for continuous integration testing la Agile</li><li>• Created custom CMake/Shell scripts to build application and link libraries</li></ul> <b>iTerm2-badge-mod</b> <i>github.com/gwydirsam/iTerm2-Mod</i> Objective-C <ul style="list-style-type: none"><li>• Moved the per-tab label or “badge” to the bottom right</li><li>• Submitted Pull Request to iTerm2 Author (now issue #3508)</li><li>• The option to move the badge is now part of the version 4 milestone</li></ul> <b>spacemacs</b> <i>github.com/syl20bnr/spacemacs</i> Emacs-Lisp Ruby <ul style="list-style-type: none"><li>• Added spacemacs icon to “emacs-mac” homebrew formula</li><li>• Actively help users in IRC channel</li><li>• Several small bug fixes and Issues submitted</li></ul> <b>Github</b> <i>github.com/gwydirsam</i>