

**VIVEK GANI**

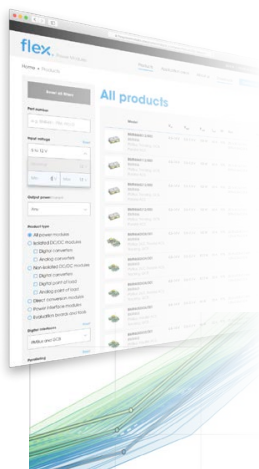
vivek@gani.org

US Citizen

## Profile

I enjoy designing software that helps us understand and be productive.  
Have done this independently, in small teams, and for industry committees.

## Experience



**Flex Power Modules** (*was Ericsson*) (Oct 2017 - Jul 2020) - Principal Apps Engineer  
Launched [flexpowermodules.com](http://flexpowermodules.com) with a team of corporate, marketing, and agency stakeholders. Lead designing parametric search for thousands of products, involving hosting design reviews, organizing data originally siloed across different groups, and writing maintenance documentation.

Continued applications engineering work where I regularly collaborated with R&D, marketing, sales, and customers to help secure multi-million dollar design wins.

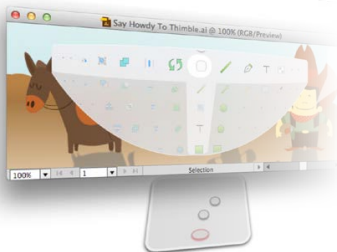
**Ericsson Power Modules** (Aug 2012 - Oct 2017) - Consultant

*Marketing and support:* Worked with customers from initial engagement through board bringup and production support. Created technical support collateral from screencasts to application notes and whitepapers. Regularly traveled for customer-facing meetings.  
*Engineering:* Developed clustering / minimization analysis reports, cross-platform tools, parsers for data migration / generated documentation.

Wrote open-source tools for [embedded support](#) & [PMBus.org](#).

Advised the software team in developing [Flex Power Designer](#).

*Tech Used:* Python - Jupyter, Scipy/Numpy, Imfit. C/C++ - make, cygwin, minGW.



**Thimble** (Dec 2012 - Nov 2016) - Designer/Developer

Independently developed a plugin that paired multi-touch gestures with a fluid interface to use your mac apps (Sketch, SketchUp, Photoshop) faster.

More at [thimblemac.com](http://thimblemac.com), [vivekgani.com/articles/making-thimble](http://vivekgani.com/articles/making-thimble), and my [tech talk](#).

*Tech Used:* Objective-C / Swift, Core Data / MagicalRecord, ReactiveCocoa / MVVM, SVGKit, CocoaLumberjack, HAXCessibility, Sparkle, [CGPathQuery](#), etc.

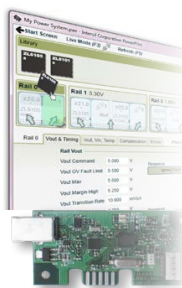
**Intersil** (*was Zilker Labs*) (Jan 2009 - May 2012) - Senior Applications Engineer

Continued Supporting "digital power" IC's evangelizing system-level relationships.

Redesigned software tools to focus on system-level design - hiring a contractor and intern, planning out tasks, leading feedback meetings, and of course coding & testing.

*Tech Used:* C#, WPF, MVVM, LINQ, WiX, marshalling C DLL's, etc.

Deployed JIRA with 100+ projects across multiple groups to 'keep crises small'.



**Zilker Labs** (June 2005 - Dec 2008) - SMTS Applications

Took on multiple roles at a startup from first silicon through acquisition by Intersil.

Designed and maintained Zilker's client-facing software (PowerNavigator), simulations, lab utilities, and several application notes.

Created a USB-to-SMBus interface (Schematics / Firmware / DLL API / Sample Code) with streaming data, flow control, and multi-master arbitration. Sold for over seven years.

Actively contributed to the PMBus Working Group (which I still do today).

Supported several Tier-1 clients and trained field application engineers.

## Skills

## Education

**University of Texas at Austin** (2001 - 2005) - BS Electrical & Computer Engineering  
Studied Computer Architecture, Embedded Systems, Signal/Image Processing, VLSI, etc.

## Engineering

Shipped software in multiple languages.

Debugged hardware with oscilloscopes, logic analyzers, emulators, etc.

Occasionally develop websites, produce design work.

Recommendations available upon request and at [linkedin.com/in/vivekgani](https://www.linkedin.com/in/vivekgani)

More at [vivekgani.com](http://vivekgani.com), [StackOverflow](#), and [Github](#).