

Angel Dominguez

✉ angel@angelengineering.com

☎ +66 086-390-1540

📍 1599/233 Sukhumvit Rd, Bangkok, Thailand 10110

Angel is a computer engineer and software developer. He earned his M.S. and Ph.D. in the Department of Electrical and Computer Engineering at the University of Maryland after completing his B.S. at Johns Hopkins University. His research interests were in the areas of computer architecture as well as compilers for embedded systems exploiting memory organizations effectively via compiler optimizations. He has developed the first known methods to allocate heap and recursive function variable data (both statically and dynamically) to take advantage of heterogeneous memory in embedded systems. His other research interests have included memory and architectural optimizations targeting parallel systems, compiler optimizations for code-size versus energy savings in embedded systems and research on VLSI design of photosensor arrays. Lately, his professional time has been spent developing problem-solving products for consumer-facing startups using modern open-source technology.

§ Technical Skills

- ✓ Product planning, coordination, and management
 - ✓ Front and Back End Platform design and development
 - ✓ Technology consulting
 - ✓ System administration, compilers, server stack setup and optimization, debugging
 - ✓ Languages: C, C++, PHP, Java, Javascript, SQL, Lua, etc.
-

§ Publications

- ✍ Nghi Nguyen, Angel Dominguez, and Rajeev Barua. *In ACM Transactions on Embedded Computing Systems (TECS)*, 8(3), pp 1-32, April 2009.
- ✍ Sumesh Udayakumaran, Angel Dominguez and Rajeev Barua. *In ACM Transactions on Embedded Computing Systems (TECS)*, 5(2), pp 472-511, May 2006.
- ✍ Angel Dominguez, Sumesh Udayakumaran and Rajeev Barua. *In Journal of Embedded Computing*, Vol 1, Number 4, pp 521-540, 2005, IOS Press, Amsterdam, The Netherlands.
- ✍ Angel Dominguez, Nghi Nguyen and Rajeev Barua. *In Proceedings of the ACM International Conference on Compilers, Architecture, and Synthesis for Embedded Systems (CASES)*, Salzburg, Austria, October 1-3, 2007.
- ✍ Nghi Nguyen, Angel Dominguez and Rajeev Barua. *In Proceedings of the ACM International Conference on Compilers, Architecture, and Synthesis for Embedded Systems (CASES)*, Salzburg, Austria, October 1-3, 2007.
- ✍ Nghi Nguyen, Angel Dominguez and Rajeev Barua. *Proceedings of the ACM International Conference on Compilers, Architecture, and Synthesis for Embedded Systems (CASES)*, San Francisco, CA, September 25-27,

2005.

- ✍ Angel Dominguez, *Ph.D thesis*, University of Maryland, Department of Electrical and Computer Engineering, Feb 2007.
 - ✍ Angel Dominguez, *M.S. Paper*, Department of Electrical and Computer Engineering, University of Maryland College Park. May 2001.
 - ✍ ,Angel Dominguez, T.Vinod K. Gupta, *Technical Report*, Department of Electrical and Computer Engineering, University of Maryland College Park. March 2001.
-

§ Education

Ph.D. Electrical and Computer Engineering	University of Maryland	2001 to 2007
M.S. Electrical and Computer Engineering	University of Maryland	1999 to 2001
B.S. Electrical and Computer Engineering	Johns Hopkins University	1995 to 1999

§ Work Experience

ANGEL ENGINEERING

☆ Owner

📅 Aug 2011 to Now

THE FRESH DIET

☆ Chief Engineer

📅 Jun 2008 to Aug 2011

DEALERON

☆ System Architect

📅 Oct 2005 to May 2008