K. Lange

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Contact Information

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Github Profile: https://github.com/klange

Work History

Software Engineer, Mujin, Inc., Tokyo, Japan 4/2017 -

- Developed industrial motion planning systems, device drivers, and system infrastructure.

Software Engineer, i18n/Infra, Yelp, Inc., San Francisco, CA 6/2012 - 3/2017

- Developed several internal libraries used by Yelp to support microservices.
- Maintained open-source middleware libraries used by Yelp.
- Rearchitected Yelp's handling of "User Generated Content" to support Japanese text.
- Improved Yelp's handling of Japanese text in search and review content.
- Led development of Yelp's support for search and business listings in Taiwan.
- Developed and led projects for Yelp's Android application for Japanese users.

Software Engineer Intern, IMG, Apple, Inc., Cupertino, CA 5/2011 - 8/2011

- Designed and developed software framework for testing "Retina" graphics modes in OS X (Lion).

Software Developer, Cleveland Motion Controls, Inc., Cleveland, OH 6/2007 - 11/2008

- Rearchitected client configuration software using .NET frameworks.
- Developed client tools for ARINC compliance testing.
- Managed corporate network infrastructure and IIS installation.

Projects

ToaruOS - Hobby Operating System 1/2011 -

- Hobby x86 operating system
- Open-source; native GCC and Vim ports
- Composited GUI, Dynamic linking, loadable kernel modules

Education

BS, Computer Science, University of Illinois at Urbana-Champaign 2009 - 2012

- Minor in International Studies in Engineering, Japan.
- Active member of the Association for Computer Machinery student chapter.

Foreign Exchange, 広島工業大学 Hiroshima Institute of Technology Summer, 2010

- Cultural, engineering, and intensive language exchange program.

Languages

Programming

Python, C; x86 assembly, C++, JavaScript, C#, Java, Perl, Ruby, Visual Basic (6, .NET), MIPS assembly.

Natural

English (native); Japanese (intermediate); Spanish (limited); American Sign Language (basic)

Visa

US: Citizen

Japan: Highly Skilled Foreign Professional (sponsored visa)