

Felix R. Chern

PRESENT ADDRESS

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PERSONAL SITES

<http://idryman.org>
<http://search.cpan.org/~dryman/>
<http://www.linkedin.com/profile/view?id=139702533>
<https://github.com/dryman>

JOB OBJECTIVE

Looking for an iOS development job.

EDUCATION

Mechanical Engineering, National Taiwan University
Bachelor degree, June 2011
G.P.A. 3.3/4.0
Self educated in computer science and software engineering

EXPERIENCE

Research Assistant	Institute of Information Science Academia Sinica	Fall 2011-Present
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I'm working under "Open Information System for Disaster Management (OpenISDM)" project which targeted on designing information system to reduce and repair Taiwan disasters. I am the project website constructor and administrator. I response for a crowdsourcing project and iOS app development.

System Administrator (still a student)	Biomimetics, Energy, and Microfluid (BEAM) Laboratory National Taiwan University	Spring 2010 - Fall 2011
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I worked at BEAM lab as a Linux system administrator and build up scientific development environment of commercial and open source softwares. At the time I also collaborate with Mathematic department for numerical calculation studies and medical imaging.

Undergraduate research	Department of Mathematics National Taiwan University	Fall 2010 - Fall 2011
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I am the second author of "Ultrafast image reconstruction of a dual-head PET system by use of CUDA architecture, supervised by Professor Weichung Wang.

Undergraduate research	National Science Council	2009-2010
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NSC Undergraduate Research Project, Image Recognition for Fish Motion, supervised by Professor Jing-Tang Yang, Department of Mechanical Engineering. After this project, I went to professor Yang's laboratory as system administrator.

COMPUTER SKILLS

One of the Perl CPAN Authors. (<http://search.cpan.org/~dryman>)
Objective-C programming, on Mac and iOS.
Ruby programming, mostly writing plugins for Jekyll blogging system.
Matlab and bridge to C/Cpp. It is best to solve numerical problems in Matlab.
Nvidia CUDA. We used this to solve medical imaging problems.
JQuery, nodejs and javascript. I made a push notification demo with it.
Common Lisp and Clojure (my recent hobby.)

HIGHLIGHTED OPEN SOURCE PROJECTS

<https://github.com/dryman>

<http://search.cpan.org/~dryman>

Lingua::ZH::MMSEG Mandarin Chinese segmentation. In my current job of crowdsourcing project, we need to process Chinese text and do keyword extraction. Lingua::ZH::MMSEG is the key part of the process.

CangJieX CangJie Chinese input method for osx. I made this input method for myself, because osx's input method sucks.

NodeJS jquery mobile demo. A simple demo for sending notification actively to multiple browser clients.

[Jekyll graphviz plugin](#). Generate eye stunning graphs right in Jekyll markdown text.

[Jekyll hacker news plugin](#). Add a hacker news button on Jekyll blog post.

HONORS AND AWARDS

Third place of undergraduate research competition, North Center of Inter-Science Education Program, "Prey and Predator ODE Model Simulation", supervised by Professor Hung-Chi Kuo, Department of Atmospheric Sciences, National Taiwan University, 2007.

Scholarship, Formosan Summer School on Logic, Language, and Computation Summer School, National Taiwan University, 2010.

Third place of competition for Matrix Computation Benchmark in High Performance Computation Summer School at KTH (Royal Institute of Technology), Sweden, 2010.

INTERNATIONAL CONFERENCE PAPER

YuKai Hung, Felix R. Chern, Weichung Wang, and Cheng-Ying Chou, Ultrafast image reconstruction of a dual-head PET system by use of CUDA architecture, Lake Buena Vista, Florida, USA, 2011.

COMMUNITY ACTIVITIES

Chupei Perl (Perl Developer Club)

CocoaHeads Taipei

Rails Tuesday

RGBA Taipei (web design and development club)

CAMPUS INVOLVEMENT

NTU Magic Club

NTU Chorus