# Kuan-Hsun "Sway" Wang

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## Experience

**Pixart Imaging Inc. / Sr. Software Engineer**
*September 2011 -  Present*                                           **Hsinchu, Taiwan**

- Designed and developed desktop GUI applications using C#(WPF) and Python(PyQT)
- Developed scalable GUI architecture using MVVM and MVC design patterns
- Designed a new library for HID products using design patterns and principles of OOD
- Introduced Agile software development methodology to our software team
- Developed and maintained firmware for HID products(touchscreen and mouse)
- FPGA/ASIC verification using Python and C/C++

## Education

**National Tsing Hua University**
Master Degree / Computer Science                                           **Taiwan**
*2009 -  2011*

**National Chung Cheng University**
Bachelor Degree  / Computer Science                                           **Taiwan**
*2005 -  2009*

## Proficiencies

- C/C++, C#, Python, OOP, Design Pattern, MVC, MVVM, Unit Test, TDD, Git, Vim

## Selected Award

Telecom Innovation & Application Contest 2010                     **Chunghwa Telecom**
First Prize
Work: Home appliance controlling system integrated with
iPhone and sensor network

National Collegiate Programming Contest 2007                     **Ministry of Education,**
Honorable Mention                                                              **Taiwan**

## Publications

Arduino 完全實戰手冊 (Arduino in Action), 博碩, ISBN： 9789862018880

## Selected Patents

- Devices and methods for appliance usage scheduling and control using on-line
  calendar services with open api (United States US20120166010)