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| **Fu-Chen Chen**  +886-955-937-817 Linkedin : http://www.linkedin.com/in/fuchenchen  squallinck@gmail.com Website : http://fcchen.cc | | | | | | | |
| **Summary** | | | | | | | |
|  | 3 years work experience in computer vision, 2 of 3 years in machine learning algorithm.  2 years of research experience in video processing & analysis.  Strong programming skills in C/C++, Verilog | | | | | | |
| **PROFESSIONAL skills** | | | | | | | |
|  | Languages Proficient in: C/C++, Verilog  Familiar with: C#, MATLAB, Python  Ever used: Java, HTML, JavaScript , MySQL  **Library**  OpenCV, OpenMP | | | Specialty - Computer vision  - Machine learning  - Video processing  - True motion estimation  - Codec | | | |
| **Experience** | | | | | | | |
|  | | Senior Software Engineer - Algorithm Developer | | | 2010/12 - present | | |
|  | | Pixart Imaging Inc., Hsinchu, Taiwan  - Machine learning  Developed human sensing algorithms and chips including face detection, face recognition, expression recognition and face tracking accomplished by support vector machine (SVM), multi-class boosting, image feature extraction, image compression.  - Capacitor touch panel  Developed algorithms and chips for capacitor touch panel including digital AM signal processing, finger extraction, finger separation and finger tracking.  - 2.4G modem  Developed the modem part of RF chip and signal modeling including analog signal synthesis, digital FM signal processing, packet detection, frequency and timing offset recovery. | | | | | |
| **Education** | | | | | | | |
|  | | National Taiwan University, *Taipei, Taiwan* | | | | 2008/9 - 2010/11 | |
|  | | Master of Science in Networking and Multimedia  Overall GPA: 4.0/4.0 (93.04/100.00) Rank : 2/43 | | | | | |
| National Taiwan University, *Taipei, Taiwan* | | | | 2004/9 - 2008/6 | |
|  | | B.S Degree in Electrical Engineering  Computer science subjects GPA: 4.00/4.00 (90.55/100.00) | | | | | |
| **PATENT** | | | | | | | |
| **Home appliance control device,** *First author*  Issued April 9, 2013, US8417385 B2  Issued March 20, 2013, CN102981459 A | | | **Capacitive touch device,** *First author*  Filed March, 2013, United States  Filed March, 2013, TW102107772  Filed March, 2013, CN201310085351.2 | | | |