Heron Yang

heronyang@cmu.edu
Carnegie Mellon University, SMC 1892, Pittsburgh, PA 15289
(626) 566-0879
http://heron.me

Education

Carnegie Mellon University (CMU), USA   Jan. 2015-May 2015
Major: *Electrical and Computer Engineering (Exchange)*

National Chiao Tung University (NCTU), Taiwan   Sep. 2011-Jun. 2015
Major: *B.S. in Computer Science*

Stanford University, USA   Jun. 2011-Aug. 2011
Major: *Computer Science (Summer College)*

Skills

Language: Python, C/C++, Java, JavaScript, HTML5/CSS3, PHP, SQL, Objective C, Shell Bash, Matlab
System: Linux/Unix(Ubuntu, Fedora, Kali), Mac
Software: Apache, Django, WordPress, lighttpd, nginx
Platform: Heroku, Linode, Google App Engine, Amazon EC2
Other: Project Management, Photography, Musical Composition/Arrangement

Relevant Courses

Network Programming, Web Application Development, Network Security, Advanced Web Design, Operating System Implementation Design, I/O Devices and Device Drivers Design, Network Security Practices-Attack and Defense, Client-Side Internet Technologies

Project Experience

Lens Decider (https://lens-decider.herokuapp.com/)   Nov. 2014-Dec. 2014
- Bind test for lens decision powered by Flickr API on Heroku
- Reach more than 5,000 users in first-day release

PLATE Online Meal Ordering System (http://plate.tw/)
Team Leader & Senior Developer   Mar. 2013-May 2014
- Servering 600 users on campus for one month
- Integrated Android application with RestFul API backend using Django

Pitch It - iOS Application (http://pitchit.nctucs.net/)   May 2013-May 2014
- iOS application for perfect pitch ability testing

The Automatic ODCR Award-checking System using Machine Learning   Jan. 2010-Jul. 2010
- ODCR has an accuracy rate up to 98.88%
- Applying noise treatment and changing the color of the light to match the background color of the invoices can greatly simplify further image analysis
- Our custom color-based binarization algorithm performs better than standard Otsu algorithm

Other Experience

Software Feature Analyst (Intern), *HTC Corporation*   Jul. 2014-Aug. 2014
Software Feature Analyst (Contractor), *HTC Corporation*   Sep. 2014-Dec. 2014
- Future phone feature marketing and project planning

Club Leader, *Digital Music Creation Club (NCTU)*   Jul. 2012-Jun. 2013
- Annual club album, Christmas album and Chinese New Year album publishing
- Arrange live performance on campus and in Shiny Tea Cafe

Club Leader, *Industrial Technology Research Society (HSNU)*   Jul. 2009-Jun. 2010
- Weekly club activity arrangment
- Teaching C and Python programming language

Awards

- Intel Excellence in Computer Science Award   Feb. 2011
- First Place in National Science Fair   May 2010
- Gold Medal Award   Dec. 2010