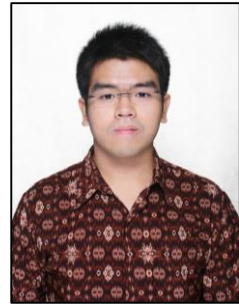


**Andhieka Putra**  
National University of Singapore  
Tembusu College #08-163A, Singapore 138597  
[andhieka.putra@gmail.com](mailto:andhieka.putra@gmail.com)  
+65 9243 8775  
[www.andhiekaputra.com](http://www.andhiekaputra.com)



## EDUCATION

2013 – present	National University of Singapore <i>Bachelor of Computing (Computer Science), Honours</i>
2011 – 2012	Victoria Junior College, Singapore <i>GCE 'A' Levels, Science Stream</i>
2009 – 2010	St Joseph's Institution, Singapore <i>GCE 'O' Levels</i>

## COMPUTING SKILLS

- Programming Languages: CSS, HTML, Java, C++, JavaScript, Ruby, Swift, VB.Net
- Mobile Platform: Android, iOS
- Database: Microsoft SQL Server
- Softwares: Adobe Photoshop, Lightroom, Apple Final Cut Pro X
- Web server: Ubuntu, CentOS, Apache, mod\_wsgi

## SELF PROJECTS

7 Feb 2015	<b>Perspective – Facebook Singapore Hackathon</b> <i>Second Prize at Facebook SG Hackathon (group of two people)</i> <ul style="list-style-type: none"><li>• Main idea: “every place has stories worth sharing”.</li><li>• Story telling using Google’s Photospheres</li><li>• Overlay comments and additional information on top of Google Photospheres (3D space)</li><li>• App online at <a href="http://www.andhiekaputra.com/fbperspective">www.andhiekaputra.com/fbperspective</a></li></ul>
Dec 2014 – Jan 2015	<b>GuitarAcademy</b> (unfinished) <i>Online platform for learning guitar (self project)</i> <ul style="list-style-type: none"><li>• Learnt CentOS, Apache, Python, mod_wsgi</li><li>• Deployed on Microsoft Azure cloud server</li><li>• Meant as a platform for guitar students to practice and teachers to monitor the students’ progress.</li></ul>
June 2014 – Dec 2014	<b>NuVi / NUS Module Planning and Checking System</b> <i>Web Application – NUS summer project (group of two people)</i> <ul style="list-style-type: none"><li>• In charge of backend development, user database, security and login system.</li><li>• Web server is written in Ruby (on Sinatra) and hosted on Heroku</li><li>• Database using PostgreSQL on Heroku, with Sequel Object-Relational Mapper gem.</li><li>• User save and load function using AJAX.</li><li>• Application is online at <a href="https://nuvi.herokuapp.com">https://nuvi.herokuapp.com</a></li></ul>

## WORK EXPERIENCE

June 2014 – July 2014

### **Internship at Universitas Siswa Bangsa Internasional (USBI)**

#### *Android Development for Smart Home Project*

- During this two-month internship, I was introduced to the latest researches about Context-Aware Smart Home. Guided by Professor Teddy Mantoro, I read and made critical evaluation of the many research in the field of Context-Aware Smart Home. I learned a little about Artificial Intelligence along the way. The final product of this internship is an Android application to remotely control a Smart Home prototype.

Jan 2013 – May 2013

### **Internship at Optimai Pte. Ltd.**

#### *Software Engineer (Intern)*

- Worked in a team of seven, supervised by Mr Bernard Loh
- Learned corporate programming tools such as Visual Studio, Team Foundation Server, SQL Server, DevExpress for Visual Studio, Birst Enterprise BI, QlikView BI.
- Applied skills learned to programmatically generate menu for Optimai's MTS client. Feature finally pushed to production.
- Liaised with Birst technical support via video calls to help Optimai evaluate the features of Birst software for company use.

## Co-Curricular Activities

2014 – present

### **President at Tembusu College Guitar Ensemble**

- Conducts and teaches guitar lessons for beginner guitarists in Tembusu Residential College, NUS

Jun 2011 – Jun 2012

### **Section leader at Victoria JC Guitar Ensemble**

- Lead a team of seven people, many of them beginners, to learn guitar and participate in school performances, national competitions and a music exchange trip to Japan.
- Official photographer and video editor for Guitar Ensemble March Camp 2012.

## ADDITIONAL EXPERIENCE AND AWARDS

March 2010 and 2012

### **Bronze Medal (2 times), National Olympiad in Informatics**

- Individual programming competition hosted by NUS School of Computing, consisting 4.5 hours of algorithm challenges.
- 2010: Self-learning and self-practice.
- 2012: Earned invaluable experience in working with other programmers (as preparation for the contest), as well as understanding of algorithms and data structures by watching MIT 6.006 lectures online at OpenCourseWare.