

# RAMON P. AYCO JR.

Learner, Designer, Developer

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**OBJECTIVE:** To obtain a position where creativity can be used for developing and upgrading software or website components.

## PROFILE

- ✓ Over four years of professional experience in developing crucial Information Systems used by private businesses and government offices, analyzing and optimizing their work processes, and leading teams of developers for various projects
- ✓ Technical background in building web applications using open source technologies such as PHP, Python, Javascript, AngularJS, etc.
- ✓ Experience in Image Processing with various real-world applications
- ✓ Has experience in writing and copyediting technical papers to be submitted to various publishing journals
- ✓ Fast learner and highly trainable
- ✓ Motivated team-player with leadership skills
- ✓ Highly sociable and comfortable making new friends

## SKILLS

- ✓ **Programming Languages**
  - C, Java, C#, C++, Python
- ✓ **Web Development**
  - PHP, XHTML, CSS3, JavaScript, JQuery
  - AngularJS, Tornado Web (Python)
  - MySQL, PostgreSQL
  - Wordpress, Blogger, Joomla
- ✓ **Operating Systems:**
  - Windows, Linux (Ubuntu), Mac OS X
- ✓ **Application Softwares:**
  - xMaxima, wxMaxima, Photoshop, Microsoft Office, Open Office

## EXPERIENCE

- ✓ **Project NOAH Web-GIS**
  - Project Manager for WebSAFE (January 2015 to present)
  - IT Officer II (Jul. 14, 2014 to present)
- ✓ **University of the Philippines Los Baños IT Center**
  - System Analyst (Nov. 11, 2011 to Jun. 31, 2014)

## PROJECTS

- ✓ **WebSAFE** – built with free and open source software InaSAFE, WebSAFE is an impact assessment tool used in the Philippines to calculate the needs of a community considering the effects of a particular hazard. This feature is accessible in the Project NOAH web app.
- ✓ **Project NOAH 2.0** (<http://beta.noah.dost.gov.ph>) – Built with various open source technologies such as Python, Open Layers 3, Tornado Web, we used AngularJS as the framework for the web application. The Nationwide Operational Assessment of Hazards is funded by the Department of Science and Technology to gather all hazards-related data to help in disaster mitigation and management in the Philippines. Project NOAH 2.0 is a web application featuring a collection of tools and datasets used for Disaster Risk Reduction and Mitigation in the Philippines.
- ✓ **Philippine Geosciences and Remote Sensing Society Website** (<http://philgrss.org>) – website for the Philippine Geosciences and Remote Sensing society, a group of experts in the field of Remote Sensing whose objective is to promote and advance the application of Remote Sensing in areas of education, industry, research, and public service for the Filipino people and the country.
- ✓ **Upbeat Merchandise Website** (<http://upbeat.ph>) – Ecommerce Website for a Tshirt Company in the Philippines focusing on University students market.
- ✓ **Philippine National Collegiate Model United Nations Website** (<http://pncmun.com>) - a four-day conference designed to gather youth participants from all over the Philippines to simulate the proceedings undertaken by the United Nations, and explore the world of multilateral diplomacy.
- ✓ **Implementation of Various Loop Scheduling Algorithms on Desktop Grids** – A study of the performances of various loop scheduling algorithms using a trivial case of an embarrassingly parallel problem as test bed over an increasing size of desktop grids. Programs are written in C Programming using Sockets.
- ✓ **DocuTrack** (<http://quinine.uplb.edu.ph>) – Document tracking system used by UPLB employees to monitor the flow of documents in UPLB
- ✓ **DVSys** – A web-based system used by the Accounting Office at UPLB for tracking Disbursement Vouchers of UPLB constituents
- ✓ **ICT-Audit** – a web application used by the UP System to audit the different Information and Communication Technologies used by UP Constituents
- ✓ **iManage** – A Management Information System software
- ✓ **Knight's Tour (using Java and C programming language)** – A program that solves the ancient Knight's Tour problem using the Backtracking Algorithm.
- ✓ **Rock Scissors Paper Game (using C Programming Language)** -Rock, Scissors, and Paper game played against the computer with a special Scoring System.
- ✓ **Monk Dog (using PHP and CSS)** - A game based on the fighting interface of the popular game called Pokémon; made for the Web with a fully presentable Graphical User Interface.
- ✓ **Monk Dog (using Java Programming Language)** – A game based on the fighting interface of the popular game called Pokémon; stand-alone game application, with a fully presentable Graphical User Interface.
- ✓ **Monk Dog (in C Programming Language)** - A game based on the fighting interface of the popular game called Pokémon. Mostly text-based and equipped with a Life and a Mana bar to measure each of the fighting characters' stats.

## **EDUCATION**

### **University Of The Philippines (Los Baños)**

Bachelor of Science in Computer Science

### **North Fairview High School**

March 2005 - High School Diploma

### **North Fairview Elementary School**

March 2001 - Elementary School Diploma

**PERSONAL REFERENCE:** Available upon request