ABIGAIL O. PISCASIO, M.S.

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AREAS OF INTEREST

Programming, Information Technology, Automation or Software and Hardware Implementation, Computer Networking Design and Implementation, PC Troubleshooting

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EDUCATION

MAPUA INSTITUTE OF TECHNOLOGY - 2009 to 2014
Muralla St., Intramuros Manila
Master of Science in Computer Engineering

MAPUA INSTITUTE OF TECHNOLOGY - 2005 to 2010
Muralla St., Intramuros Manila
Bachelor of Science in Computer Engineering

PHILIPPINE INTERNATIONAL ENGLISH SCHOOL – 2001 to 2005
Seaside Road, Fahaheel, State of Kuwait
Secondary Education
(With Honors)

ST. MARY'S OF CALOOCAN CITY – 1995 to 2001
Madre Ignacia Avenue, Grace Park, Caloocan City
Primary Education

AWARDS AND ACHIEVEMENTS

- Cisco Certified Network Associate Routing & Switching (CCNA)
  License No.: CSCO11887889
  December 29, 2010

- Outstanding Student in Academics (With Honors and Best in Mathematics) March 2005

EXTRA-CURRICULAR ACTIVITIES

Auditor, **Mapua Lights Organization** - Oct 2008 to Oct 2009
Treasurer, **Mapua Lights Organization** - Jul 2007 to Dec 2007
Member, **Mapua Lights Organization** - Oct 2005 to 2011

WORK EXPERIENCE

Kuwait Oil Company (Ahmadi Hospital Maintenance Team)   - June 2015 to August 2016
Designation: **Technical Assistant**

Job Responsibilities:

- Trained and worked in Administration Department of Ahmadi Hospital Maintenance Team to deliver office support to field representatives, Senior Engineers, Engineers, Foremen, Safety Officers, Environmental Engineers of Civil, Mechanical, AC & R, and E & I Sections
- Conducted operational and administrative support in the project office to guarantee employees can perform their duties efficiently
- Recommended methods of improvements in managing work processes to increase productivity by improving work methods of people, materials, equipment and finance
- Resolved any work-related problems faced by the administration team
- Created good working conditions and intellectually challenging work for the employees with maintaining high standards of quality for the department service
- Supervised, monitored, prepared reports, analyzed workforce, operational and project schedules and costs to determine optimum worker and equipment efficiencies
- Identified all materials stored and Purchasing of Materials, Inventory Control, Stock-taking, and inspection of all receipts
- Investigated, reviewed, and prepared monthly invoices, work reports and budgets, and monitored expenditures.
- Reviewed and Prepared Nature of Work Allowance of staff using Contractor's Monthly Management System (CMMS) Application
- Prepared reports such as Sectional Report, Achievement Report, Monthly Business Outlook (MBO), and HSE Monthly Report to be submitted and approved by the Team Leader
- Monitored and updated Operational Expenditures Budget of the running contracts and reported to Group Planning Coordinator (GPC)
- Implemented a new form for Capital Assets Physical Inventory for Financial Year 2015-2016, which included the verification using Pocket Scanner and tracking using GPS of all the assets of the whole Corporate Services Directorate
- Reviewed and prepared Low Value Contracts (LVC) and Service Work Orders (SWO) for the company bidders

English Training / Tutorial - Part Time   - 2013 to 2014

Job Responsibilities:

- Teaching foreign students, whose first or main language is not English, speaking, reading and writing in English
- Involves in school and administration management e.g.: Record keeping, documentation, proofreading and editing thesis papers, exams, planning, organization, marketing strategies, etc.
- Trains student to be involved in social and cultural activities
- Participating in social and environmental activities

RESEARCH PAPERS AND PROJECTS HANDLED

- **Variable DC Power Supply**
  An electronic DC power supply connected from a 220V AC source using a step down power transformer to regulate the output voltage of the power supply from 3V to 12V DC.
- **Amplifier**
  An electronic amplifier capable of increasing the amplitude of an AC signals voltage using a transistor.
- **Binary to Decimal Converter**
  A 4-bit Binary to Decimal Converter implemented using MultiSim program that simulates the conversion of a two

4-bit binary inputs to decimal using two7-Segment display in the circuit design.

- **Whiz Quiz**
  A C++ program based on a traditional quiz game.
- **Traffic Light Controller**
  A Traffic Light Controller prototype design applying knowledge in Logic Circuits. PIC Microcontroller, Logic Gates, 555 Timer, and LEDs were used in the design to imitate real-life traffic light signalling.
- **Comparison of Performance of Mapua Students based on Eating Habits**
  A statistical research paper that correlated the eating habits and academic performance of the students of Mapua Institute of Technology
- **Cinema Seat Reservation System**
  A system capable of data queries and system updates using SQL Server
- **Time Keeping System**
  A software engineering design which was applied in Visual Basic Programming and used MS SQL Server to deal with the time-in/time-out of the employees.
- **Unmanned Parking Space Count System**
  A parking lot prototype where in LDR (Light Dependent Resistors) sensors where installed to determine the car park occupancy.
- **Computer Network Design**
  A proposed Local Area Network, Metropolitan Area Network and Wide Area Network Design for Rizal Commercial Banking Corporation (RCBC).
- **32-bit ALU**
  32-bit Arithmetic Logic Unit (ALU) designed on Xilinx ISE using VHDL or VHSIC Hardware Description Language to produce the RTL schematic of the circuit and mapped the signals using Spartan-3E FPGA (Field Programmable Gate Array) kit board which is a development board for embedded processing applications.
- **Accelerometer-based Filipino Sign Language (FSL) Translator**
  A design implementation of 2D-accelerometer sensors and BASIC language to recognize the Filipino Sign Language (FSL) alphabets that could help bridge the communication gap between signers and non-signers. This design could recognize the 26 FSL alphabets, user-defined Backspace and Clear gestures with at least 90% accuracy.
- **A Heuristic Decision Tree Algorithm for Filipino Sign Language (FSL) Translator Implemented Using Accelerometers with Bluetooth Connectivity to a Host PC**
  A study developed to improve the recognition accuracy and speed of the researcher's existing design, Accelerometer-based Filipino Sign Language (FSL) Translator, using a heuristic Decision Tree algorithm. Arduino microcontroller was responsible for the signal acquisition from the accelerometers and Bluetooth technology for data transmission wirelessly to a host PC that converted the signals and displayed it in text-form using Processing program. The system could recognize the 26 FSL alphabets, "Mahal Kita" gesture, and two user-defined Backspace and Clear gestures with 100% accuracy.

TRAININGS AND SEMINARS ATTENDEND

July 2011 to September 2011	**CCNA Security** CCESC-Mapua Institute of Technology
September 2009 to December 2009	**CCNA Exploration 4 (Accessing the WAN)** Mapua Institute of Technology
July 2009 to September 2009	**Project Management** Mapua Institute of Technology
July 2009 to September 2009	**CCNA Exploration 3 (LAN Switching and Wireless)** CCESC-Mapua Institute of Technology
September 2008 to December 2008	**CCNA Exploration 2 (Routing Protocols and Concepts**) CCESC-Mapua Institute of Technology
April 2008 to July 2008	**CCNA Exploration 1 (Network Fundamentals)** CCESC-Mapua Institute of Technology
May 2008	**7 Habits of Highly Effective People** Mapua Institute of Technology

TECHNICAL SKILLS

- Above-average in written and oral communication skills
- Profound researching skills
- Hardworking, enthusiastic and very eager to learn more
- Easy to adjust at surroundings
- Ability to work independently and unsupervised when required
- Proficient in Microsoft Office 98, 2003, 2007, 2010, Windows 98, XP, Vista, 7 & 8.1 and the Internet
- Skilled in C++ Programming, Java Programming, BASIC Programming, SQL Programming, Proton IDE, Processing IDE, Arduino IDE, Data Communications and Networking (CISCO Networking), PC Troubleshooting, MatLab
- Knowledgeable in Assembly Language Programming, Microsoft SQL Server 2005, Seagate Crystal Reports 2008, Verilog and VHDL Programming, Xilinx, AutoCAD, Multisim
- Electrical System Design, Information Technology, Project Management, Power System, Transmission and Distribution, Network Analysis, Logic Circuits
- Familiar on ERD modelling, schema, and database relationship and cardinalities
- Familiar with data analysis, data mapping, and data transformation.

PERSONAL DATA

Born in Manila on September 18, 1989. Married, Filipino citizen, Roman Catholic. Has good communication skills, fluent in English and Filipino. Dependable and can work well in groups or alone. Analytical and hardworking. Willi

ng to share knowledge and gain knowledge on technical skills. A fast learner and can work under pressure.
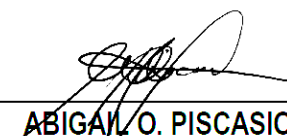
CHARACTER REFERENCES

- **Mr. Eustaquio Patubo**
  Construction Lead Engineer I
  at **Worley Parsons**
  +965 669 02958

- **Mr. Dimer Barbadillo**
  Nursing Officer Wards & Units
  at **Kuwait Oil Company**
  +965 661 57397

- **Mr. Donel Bartolome**
  Technical Assistant
  at **Kuwait Oil Company (Ahmadi Hospital Maintenance Team)**
  +965 699 57307

I hereby certify that the information contained in this application is true and correct to the best of my knowledge.

ABIGAIL O. PISCASIO