|  |
| --- |
| UTHAMAN MUTHAIAH |

RESUME

|  |  |
| --- | --- |
| Personal  Details  Educational  Background  Relevant Course  Subjects  Technical Skills  Engineering  Equipment  Skills  Language Skills  Final Year  Project (FYP)  Other Projects  Working  Experiences  Key Values  References | Name: Uthaman S/O Muthaiah  NRIC: 870505-10-5393  D.O.B: 05-05-1987  Gender: Male  Status: Single  Age: 28  Nationality: Malaysian  Address: No 8, Jalan sentosa 8,  Taman sentosa,  Bukit Cheeding,  42700 Banting,  Selangor.    Contact: 016-3867986  Email: [uthaman\_muthaiah@yahoo.com](mailto:uthaman_muthaiah@yahoo.com)   1. MULTIMEDIA UNIVERSITY (MMU CYBERJAYA)   Programme : Bachelor of Engineering (Honours) Electronics majoring  in Optical Engineering.  Completion : 2015 (October)  CGPA : 2.54/4.00   1. MULTIMEDIA UNIVERSITY (MMU CYBERJAYA)   Programme : Foundation in Engineering  Completion : 2009 (June)  CGPA : 3.06/4.00   1. SEKOLAH MENENGAH KEBANGSAAN BANTING (SMKB)   TELOK DATOK, BANTING.  Programme : Sijil Pelajaran Malaysia (SPM)  Completion : 2004(December)  Score SPM : 2A, 4B, 3C and 2D  Score PMR : 2A, 2B, 3C and 1D   1. SEKOLAH RENDAH JENIS KEBANGSAAN (TAMIL)     Programme : Ujian Pencapaian Sekolah Rendah (UPSR)  Completion : 1999  Score UPSR : 1A, 3B and 3C  Electrical and Electronics   * Electronics I,II,III * Physical Electronics * Instrumentation & Measurement * Techniques * Digital Logic Design * Circuit Theory * Circuit’s and Signals * Introduction to Machines & Power Systems * Control Theory   Telecommunication and Networking   * Data Communications & Computer Networking * Analogue and Digital Communications * Digital Signal Processing * Field Theory * Electromagnetic Theory   Mathematics, Language and Skills   * Engineering Mathematics I,II,III, IV * Spanish for Beginners * Workplace Communication * Engineer and Society * Law for Engineers * Moral Studies   Computer and Programming   * Computer and Program Design * Algorithms and Data Structures * Computer Organization & Architecture * Microcontroller and Microprocessor * Multimedia technology and Applications * Advanced Microprocessors   Optical Communication (MAJOR)   * Fundamental of Optics * Optoelectronics Devices * Optical Metrology and Testing * Optical Signal Processing * Optical Communication System * Optical Waveguide and Devices * Laser Technology and Applications   Programming Languages   * C and C++ programming using KNOPIX window platform * Assembly Language Programming   Engineering Software   * Matlab 7 * OrCad Pspice * AutoCad 7, AutoCad 2014 & 2015   Optical software   * Optsim 4.0 * OptiSystem 11   Document Software   * Microsoft word * Microsoft Excel * Microsoft PowerPoint  1. Multimeter 2. Oscilloscope 3. Spectrum Analyzer 4. Function Generator 5. Amplifier Probe 6. Optical Spectrum Analyzer 7. Raman Pump Unit (RPU) 8. Tuneable Laser Source (TLS) 9. JDU MTS-6000 Compact Optical Modulator Platform 10. Able to repair or diagnose electric circuits using continuity test or appropriate component testing method. 11. Written and spoken English-Fluent 12. Written and spoken Malay-Fluent 13. Written and spoken Tamil-Fluent 14. Written and spoken Spanish-Basic   Multiwavelength Brillouin-Raman Fiber Laser (MBRFL)  The demand for higher data rate transmission is increasing rapidly for new broadband services. Various applications such as videoconference, fastest Internet broadband services and videophones have rapidly energized the volume of data exchanged in entire world. The dense wavelength division multiplexing (DWDM) technology is quite an advance technology for various communication systems where bandwidth cost is reduced by dedicating optical signal to different wavelength in an optical fiber. The DWDM system requires multi-wavelength laser source with equal and constant wavelength spacing. In this DWDM technique, information or data is carried by each different and distinct wavelength, also called as channels. The individual channel can be created by a single laser diode of slightly different wavelength. However, this is not really economical as the price of individual laser diode is expensive. An alternative method is to use a multiwavelength fiber laser. Several techniques was demonstrated by researchers to improve the brillouin fiber laser (BFL) to combine with Raman amplification and this laser are addressed as Brillouin-Raman fiber laser (BRFL).   1. Low cost Spectrophotometer for Nanoparticles based Thin Film   (Optical part Spectrophotometer)   1. Base Number Converter using assembly language programming.   (Number conversion from decimal, binary, octal and hex using  x86 architecture.)   1. Industrial Training at Wire & Wireless Snd.Bhd   Position : Trainee Engineer  Duration : 3rd March 2014 - 25th May 2014  (12 weeks)  Address : Second Floor, 1-03 Jalan Kenari 19A, Bandar  Puchong Jaya, 47170 Puchong, Selangor.  Objectives: 1) Adopt to the dynamic working atmosphere  2) Apply the academic knowledge in managing workplace  challenges.  3) Practise good ethical values and work conducts   1. Sigmax eServices Sdn. Bhd   Position : Image Processing (Staff)  Duration : Part time (Flexible time)  Objectives :1) To require a basic knowledge and ability to  recognize product characteristics.  2) To identify and process images in different inventory  Segmentation  3) To provide quality content and result.   1. Ranger Network Sdn, Bhd   Position : Project coordinator  Duration : December (2015) – currently working  Objectives : 1) Coordinate the incoming Maxis project according to  Technical Proposal (TP).    2) Done Site Survey and prepare Technical proposal  (TP) accordingly.  3) Prepare documentation accordingly to start work  4) Prepare Site Pack documentation accordingly  After completion of work.     * Highly motivated to learn new skills and adapt fast. * Determined to put long hour’s commitment to complete a given task. * Passionate to innovate or solve new problems with great responsibility. * Able to communicate clear and fluently. * Ready to work within a team or independently. * Willing to put hard work to serve best interest of the company. * Resourceful, energetic, and competent in achieving goals to date. * Dynamic and creative thinker.   Dr. Chang Yoong Choon  Lecturer / Academic Advisor  Faculty of Engineering,  Multimedia University,  Persiaran Multimedia,  63100 Cyberjaya,  Selangor, Malaysia.  Phone: +(60) 3 - 83125469 Fax: +(60) 3 - 83183029  Email: ycchang@mmu.edu.my |
|  |  |