Mr. Vicheka PHOR

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Hardware and Software Engineering

TECHNICAL SUMMARY

Operating Systems	:	Unix, Linux, Windows 7
Languages	:	React Native, Java, Java Swing, Android, Verilog, VHDL, C, MATLAB, C++
Software	:	Android Studio, Eclipse, NetBeans, Notepad++, Git, SVN, Brackets, CodeBlock, Microsoft Visual Studio, Adobe Photoshop
Hardware	:	FPGA, RISC microprocessor, LatticeECP3 Video Protocol boards
Web development	:	Prestashop, Laravel, Servlet and JSP, HTML5, CSS, JavaScript, JQuery, MySQL, PHP, Adobe Dreamweaver, Drupal
Office	:	Word, Excel, PowerPoint, Open office

EDUCATION

2012 – 2014	:	**Université Paul Sabatier – Toulouse, France** *Master's degree in Embedded Systems - Hardware and Software Engineering*
2010 – 2011	:	**ENSEEIHT – Toulouse, France** *Master's degree in Telecommunication and IT*
2005 – 2010	:	**Institute of Technology of Cambodia – Phnom Penh, Cambodia** *Bachelor's degree in Electrical and Energy Engineering*

HONORS

SUMITOMO Scholarship, 2009

Agence Universitaire de la Francophonie (AUF) Scholarship, 2010

ACADEMIC PROJECTS

RISC microprocessor design, December 2012 – February 2013

Renewable Energies Investment Calculation (Group of 3 members), October – December 2009

Electric Power Supply in Industry, April – June 2009

EXPERIENCE

Software Developer
ALLWEB, Cambodia
December 2016 – Present
- Team Leader of 2 or 3 members at AllWeb
- Working on E-commerce Prestashop project. Features: module marketplace, mangopayment, eventmanager, ...
- Working on React Native project. Features: Push Notification, QR code, RealmJs, ...
- Using SCRUM methodology to manage the project: Bitbucket, JIRA and Confluence
- Working Environments: PhpStorm, SourceTree, Visual Studio Code, Atom, Sublime, Wamp, ...

IT Lecturer (Part time)
INSTINCT INSTITUTE, Cambodia
October 2017 – December 2017
- Handle Java Fundamentals subject

IT Lecturer
Kirirom Institute of Technology – Kompong Speu, Cambodia
November 2015 – October 2016
- Internship supervisor: drone programming project, projection mapping project, AI, EDM
- Teaching: Android, servlet&jsp, website development (HTML, CSS, JS), DBMS, MySQL

Software Engineer
PATHMAZING Inc Company – Phnom Penh, Cambodia
July 2015 – October 2015
- Android mobile software development: designing and customization UI, using third libraries (Blur Behind, HideOnScroll, SlidingLayer, Sliding Menu…), implementing functionalities, integrating social network (Twitter, Google, Facebook) and multiple languages (Khmer and English), designing, coding, debugging and testing
- Basic Knowledge of NodeJs: express framework, user management system, third libraries of NodeJs (Sequelize, MySQL, MongoDB, …)

Hardware Engineer Intern
Enciris Technologies Company – Gaillac, France
April 2014 – September 2014
- Design, develop, test, integrate, and verify FPGA designs for video processing hardware
- Working on the SDI video interface by demonstrating the implementation of a Lattice tri-rate SDI PHY IP core on a Lattice FPGA of the Enciris LT-125 board in order to provide an SMPTE 3G/HD/SD SDI video input functionality on the board without using any external chipset like the Gennum chipset which is used today on Enciris boards
- Working on the H.264/AVC video decoding algorithm, particularly the H.264/AVC bitstream decoder hardware architecture design and implementation

Satellite Communication Engineer Intern
Telecommunications for Space and Aeronautics (TéSA) Laboratory – Toulouse, France
March 2011 – August 2011
- Determination of the orbital mechanics for different type of orbit

- Optimization satellite constellation
- Calculation the link budget
- Analysis of the impact of orbit types, frequency band and modulation types on link budget

LANGUAGES

French   :   Good

English   :   Good

HOBBIES

Football, tennis, badminton, music