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Academic

*Bachelor of Engineering Major in
Computer Systems Engineering
(July 2005 – July 2008)
University of Queensland (UQ)*

*Diploma in Computer Engineering
Informatics College Malaysia
(Feb 2004 – Jan 2005)*

*Diploma in Mechatronics Engineering
(Feb 2002 – Jan 2004)(Incomplete)
INTI College Malaysia*

Academic Results (0-7)

ELEC2004 Circuits, Signals & Systems	4
MATH2000 Calculus & Linear Algebra II	4
MATH2010 Analysis of ODEs	6
PHYS1002 Electromagn, Optics, Relativ	5
STAT2202 Probab Models for Eng & Sci	6
COMP2303 Network & Operating Systems	4
CSSE2000 Intro to Digital Systems	4
ENGG2800 Team Project I	5
COMP2502 Algorithms & Data Structures	5
COMS3000 Information Security	4
COMS3200 Computer Networks I	4
ENGG3800 Team Project II	7
COMP3301 : Operating Systems	4
CSSE3000 : Digital Systems (VHDL)	4
ELEC3002 : Computational techniques	4
CSSE4003 : Embed Sys Design (IP phone)	6
COMP2304 :Eng Programming (C++)	6
THESIS : Barcode scanner with mobile phones Camera Device (J2ME)	5
COMS4200 Comp. Networks 2 (C)	4
ELEC4600 Signal& Image processing 2	5

Sky Chew

Bachelor of Engineering Major in Computer Systems Engineering

(Grad July 2008)

University of Queensland (UQ)

Objective

To be involved in a dynamic, fast paced problem-solving environment that promotes creative thinking and research, in an organization that appreciates hard work and integrity in carrying out responsibilities.

Academic Online>> [www.skychew.com]

Thesis

Title : Barcode scanner with mobile phones Camera Device (J2ME)

- *Thesis Objective :*
To develop a prototype that is capable of scanning 13ean barcodes with a mobile phone camera. Communicate with a computer via wireless or Bluetooth. A sample usage program was designed using Macromedia Flash. The program is to visualize a stock management tool, where the user scans the barcode with the mobile phone, sends the information to the pc with the intention to add it as new product, tag as sold, edit or delete.
- *Experience obtain :*
J2ME, 1D and 2D Barcodes, mobile phone programming, Bluetooth, Macromedia Flash and image processing
- *Result : [5 out of 7]*

Projects Undertaken During Academy

- *Project Name : Team Project 1*
- *Project Objective :*
To develop a bump alarm that has no external buttons. All interaction is based on DTMF tones from the keypads of hand phones.
- *Experience obtain :*
Soldering, Circuit Analysis and Design, Programming ATMEL Chip, DTMF, Troubleshooting, Power Management, Project Planning, Reporting and Meeting Formalities.
- *Result : [5 out of 7]*
- *Project Name : Team Project 2*
- *Project Objective :*
To develop a wireless temperature sensor with a receiving scope of 10 meters and sensitivity up to 1 Celsius degree. Receiving data thru serial port and displaying data in a 3D graph.
- *Experience obtained :*
Surface Mount Soldering, Circuit Analysis and Design, Programming ATMEL Chip, Programming in Java for Serial Port, Shell Commands Programming on Batch Files, Flash Action Scripting 2.0 for 3D graph, Troubleshooting, Power Management, Project Planning, Reporting and Meeting Formalities.
- *Result : [7 out of 7]*

***Our team Obtained the highest grade therefore was a joint winner of:
The CANON Information Systems Research Australia PTY LTD Team Prize**

Areas of Expertise

(Each section listed by proficiency. Top to bottom, Experienced to Average)

Engineering

Avr Studio 4
MatLab
MatLab(Image Processing)
Altium Dxp
Xilinx (VHDL)
Digital Circuit Design

Multimedia

Adobe Photoshop
Macromedia Flash

Programming

Java
ActionScript
C++
J2ME
VB Excel Macro
VB
C
HTML
XML
PHP
SAS

Database

Microsoft Access

Referees

Hakim Albasrawy – Tandemic
Partner
hakim@tandemic.com

Andrew Bassingthwaighte - Xcelerate
Director
ab@xir.com.au

Charles Pollack - Suncorp
Principal Actuarial Advisor (Home)
Charles.pollack@suncorp.com.au
Phone : (07)3836 1681

Jonathan Coleman - Suncorp
General Insurance Pricing Engine
(GIPE) Advisor
Jonathan.Coleman@suncorp.com.au
Phone : (07)38361818

Work Experience Online>> [www.skychew.com]

Year : 2013- 2014

Country : Malaysia

Position : Freelance

Company : Freelance

Duties :

- 1) Develop websites using CMS systems like wordpress and SMARTY templates. Mostly PHP/CSS/HTML work
- 2) Setup and manage teams to deliver bigger projects.

Year : 2013 (Sep) - 2013(Nov)

Country : Malaysia

Position : System Analyst (contract)

Company : Epic Homes (<http://www.epichome.org/>).

Duties :

- 1) Develop SOP procedures for their Procurement & Logistics processes using mostly google apps which includes coding with google script.

Year : 2012(JUN) – 2013(JUN)

Country : Malaysia

Position : Business Analyst / Tech Lead

Company : Tandemic

Duties :

- 1) Helped facilitate events in Universities for the MakeWeekend campaign as well as ChangeWeekend using my experience with customization, development and manufacturing products from Aspirasi Awansari by giving advice to participants about costing, feasibility and technical aspects of producing products.
- 2) Gather client requirements, advice and document functional specifications , feasibility check, technology implementation research, prepare development deliverable timelines and stages, design wire frames of interfaces, develop sample sites for pitching, then manage the development stage, assigning tasks on Asana to developers and designers to better track progress, test the site for all required functions and present final product to customer to get feedback and finally prepare usage documentation. Managed 5 to 6 different projects at the same time.
- 3) Manage embedded technology developments like twitter plants and UAV projects.

Year : 2010(JUL) - 2012(JUN)

Country : Malaysia

Position : Sales / Marketing / production / design / IT

Company : Aspirasi Awansari (M) Sdn Bhd

Duties :

- 1) Sales pitch to corporate, medium and small companies.
- 2) Implemented more focused marketing strategies to gain business from overseas through online media like Alibaba, seo , and paid per click. By reducing the cost from local exhibition which did not have our target market and spend on online marketing such as redesign www.aspirasi.com.my and improve image of company with DIY light room to take better pictures of products. Exhibition for year 2012 I have planned to do a more artistic based installation at the booth to show of the companies' ability offline and online.
- 3) Restructured workflow to using less paper and more digital data to allow better searches of old data and improve referencing. Achieved this with porting all emails, calendars and some scheduling to google apps.
- 4) Updated computer systems and move networking systems to wireless to cut down cost on rewiring due to rodents.

Side Projects

Makespace - Co-Founder

Makepace is a workshop that works like a gym ; where your membership allows you access to different tools like 3D printers, wood machineries, CNC routers and etc. It also provides classes to learn these machines and has a store for users to sell and market test their products.

Giglist – Founder (Launching soon)

Giglist is a website aiming to list the local indie scene. Most site that tried to do this has closed down because they were not able to sustain themselves doing these listings manually. I have developed a way to do this automatically.

Social Work

EPIC HOMES - <http://epichome.org/>

They are an organisation that builds houses for rural communities. Joined for 1 built as Volunteer, and the second built as Specialist after completed training to become a Specialist. Specialist has extensive knowledge of a house build and is able to lead a team on a build, is involved in the planning and execution of a build.

- 5) Built and manage samples production and final production, involving development from materials such as metal, plastic, paper, fibre, glass, resin, and fabric.

Year : 2008(AUG) – 2010(JUL)

Country : Australia

Company : XCELERATE

Work Description : Graphic Design / Web Development. Xcelerate wanted to start promoting themselves, to make themselves known. So they wanted to redesign their logo and image. They had an old web design company which was still getting jobs, therefore worked on some web development projects from there as well.

Duties:

- 1) Design for print and web
- 2) Programming(PHP, MySQL, HTML, CSS), animation, intranet development.

Year : 2008(FEB) – 2008 (JULY)

Country : Australia

Company : SUNCORP

Work Description : See Referral letter from Charles Pollack

Below is a snippet from the letter:

Sky Chew has worked at Suncorp for over 9 months from December 2007 to Aug 2008. His role began was an unpaid work experience role which later evolved to a paid temporary (3-days-a-week) role when his university study resumed in March 2008.

His role in the Actuarial Department included the following duties;

- *Establishing and documenting generalised mapping layers for major data sources using Tactician mapping software.*
- *Documenting and organising processes around location analysis for risk address pricing, including the use of SharePoint software.*
- *Processing data using SAS software from the Actuarial Data Warehouse for use in the establishment of maps of exposure at risk-address level.*
- *Recording and processing video footage for department training.*
- *Developing automated web interaction processes and data capture using VB and Excel, as well as inclusion of various proprietary modules for specific processing.*

Year : 2007(NOV) – 2008 (FEB)

Country : Australia

Company : SUNCORP

Work Description : See Jonathan Coleman's Report

Undergraduate Work Experience

Design Consistent Processes around the use of Tactician a powerful Geographical Information System. Which is use to assess risk, analyse claims and validation of geographical based data.

Year : 2005

Country : Malaysia

Position : Partnership

Company : PrettyChocolates.com

Work Description : Partnership with Pretty Ang who is a fashion designer and did a Valentine's Day special promotion. We got chocolates from a chocolate supplier (www.chocolategraphics.com.my) and we packaged their chocolates

Visa

Australian Permanent Residence

Communication Skills

English, Malay :

Fluent in speaking, reading and writing.

Cantonese, Mandarin :

Fluent in speaking.

Interests

Basketball, swimming, rollerblading,
Rubik's cube, Console gaming,
computer gaming, Designing, Movies.

into a valentine's days promotion. These packages can be seen on www.prettychocolates.com. We sold the chocolates and also did some consignments with some major gift stores. Also was able to get approval to sell our packages in the chocolate suppliers Valentine promotion stall.

Duties:

- 1) Design name card and website.
- 2) Design packaging and packaging.
- 3) Costing, Marketing, Resourcing and Pricing

Year : 2001 – 2004

Country : Malaysia

Position : Design and Tech division

Company : Aspirasi Awansari (M) Sdn Bhd

Work Description : Designing and providing IT support on windows based machines.

Duties:

- 1) Designing and magazine touch-up's using Adobe Photoshop with Macintosh machines.
- 2) In charge of setting up networking
- 3) Provide a new solution to their account system, which was just typing their quotation and other transaction documents in word without any reliable database system. Therefore I have introduced to them an ACCESS based system. Using Java to retrieve data from their existing WORD based database and transfer them into ACCESS.
- 4) Designing and maintaining their website. www.aspirasi.com.my.

Level 14,
36 Wickham Terrace,
Brisbane,
QLD, 4000

6 July 2008

Re: Sky Chew Reference

To Whom It May Concern,

Sky Chew has worked at Suncorp for over 8 months from December 2007 to July 2008. His role began as an unpaid work experience role which later evolved to a paid temporary (3-days-a-week) role when his university study resumed in March 2008.

His role in the Actuarial Department included the following duties;

- Establishing and documenting generalised mapping layers for major data sources using Tactician mapping software.
- Documenting and organising processes around location analysis for risk address pricing, including the use of SharePoint software.
- Processing data using SAS software from the Actuarial Data Warehouse for use in the establishment of maps of exposure at risk-address level.
- Recording and processing video footage for department training.
- Developing automated web interaction processes and data capture using VB and Excel, as well as inclusion of various proprietary modules for specific processing.

In performing these duties, Sky demonstrated a number of particularly useful skills and behaviours. These included being a fast learner and strong problem solver. This was particularly useful for developing the 'greenfields' processes that he was working on.

Sky at all times interacted very well with the rest of the team, which included over 30 people. He asked well considered questions at appropriate times. Indeed, the questions were usually such that the people supervising his work could not answer them quickly! They demonstrated his thorough grasp of the work he was performing. Sky's work was always completed within reasonable timeframes, even when particularly challenging problems were encountered.

On numerous occasions Sky also had useful ideas that could be used in the project and made suggestions that aided other peoples' work. His ability to understand the bigger picture and then extend the application beyond the immediate focus, with a view to building a more complete and useful system stood out.

Unfortunately, due to budget reductions for the 2008/9 financial year, the temporary role that Sky had been filling had to be cut. However we would have no hesitation in employing Sky full time should a position exist in our team. It is with this in mind that we can thoroughly recommend Sky to any potential employer.

Yours sincerely,

Charles Bellack

Re: Sky Chew, Undergraduate Work Experience Student

To Whom It May Concern:

Sky came to work for the actuarial department as a work experience student. He worked on a process design project for us from 19 November 2007 through to the 18th of Feb 2008.

During that time it was my privilege to supervise his work.

I have found that Sky has the ability to listen and learn, and as such, it has been a pleasure to have him working for us.

Sky was given a project to help us design consistent processes around the use of one of our software tools – Tactician.

Tactician is a powerful Geographical Information System, and we have found it to be invaluable in assessing risk, analyzing claims, and validation of our geographical based data.

Sky was able to provide real, demonstrated value, in that he was able to document a generic process for us to use when dealing with Tactician, followed by process flows of real world examples, with links to the code and working files that we produced when working with this tool.

As such we now have a neat package that we can use in training our staff, This allows our staff to understand how to use the Geographical Information System, how to prepare the data, how to import and manipulate, and finally, how to drill down from a high level concept, to real life examples of how we've used it.

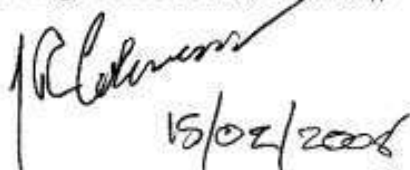
Sky was efficient, courteous and professional in his work here at Suncorp.

He delighted us to the point that we hired him for further paid work, once his work experience contract was fulfilled.

I have no hesitation in recommending Sky for further roles, either in Suncorp or the workforce at large.

Kind Regards

Jonathan Coleman
GI Pricing Engine Advisor.
(B/Eng Microelectronics (Hons))



15/02/2008