

ALVIN JUDE

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ABOUT

My primary interest lies in the human factors of computer science; my masters thesis will be in the area of Human Computer Interaction, specifically involving accessibility with gestures. My goal is to make interaction easier at all levels, including the developer level. I strive to increase my breadth of knowledge, to allow me better understanding of the utilization of technology from both consumer and business perspective, while actively maintaining my deep technical roots.

EDUCATION

*Masters of
Computer Science*

2012–Present · Baylor University
Research Area: Human Computer Interaction

*Bachelor of
Computer Science*

2002–2005 · Coventry University
RANK: Honours, Second Class Upper
THESIS: Remote PC Manipulation via PDA over Bluetooth

PUBLICATIONS

Alvin Jude, G. Michael Poor, and Darren Guinness, *Personal Space: User Defined Gesture Space for GUI Interaction*. To appear in CHI 2014 Extended Abstracts, ACM 978-1-4503-2474-8/14/04. doi:10.1145/2559206.2581242.

WORK EXPERIENCE

Baylor University

2013–Present · Research Assistant

Tasked to setup newly formed Human Computer Interaction lab. Mentored juniors, established engineering procedures and infrastructure. Performed research in Hand-Gestural interaction and explored research options with other next-generation devices. Reference: G. Michael Poor · michael.poor@baylor.edu

2012–2013 · Teaching Assistant

On top of general TA duties, also introduced fixes and developer's manual to software used in-house for teaching databases. Reference: Greg Speegle · greg-speegle@baylor.edu

Self Employed

2010–2012 · Technical Consultant

Served as an independent consultant for various project and companies including the following:

2011–2012 · iOS Development, AGILE PERSPECTIVES — MALAYSIA

Developed iOS applications for an international insurance corporation, as well as one iOS app for a consumer-facing startup dealing in retail.

2010–2011 · System Administrator, COUCHSURFING.ORG

Daily operations: monitoring, security, optimization, deployment, etc. Tools of the trade included Puppet, Zabbix, HAProxy. Deployed a cluster of static content servers (NGinX) to reduce the load off the dynamic servers which resulted in much higher reliability.

Aflexi 2009–2010 · System Engineer

Aflexi was a CDN Software startup, and is currently a division of OnApp. My responsibilities were more DevOps involving backend development and system administration. I built a monitoring infrastructure with Nagios, Collectd, and custom software feeding PowerDNS for DNS-based CDN routing. Tools of the trade also included Puppet, Zabbix, Reprepro, RRD.

Reference: Whei Wong · whei.wong@onapp.com

iMocha Consulting 2007–2010 · Team Lead

Initially hired as a Junior Java Developer, I eventually built and ran a LAMP team of up to 8 people, dealing mostly with financial institutions. Responsibilities included hiring, firing, and mentoring programmers, system administrators, system analysts, and interns, as well as requirements gathering from clients.

Reference: Koh Kok Wei · kokwei@imocha.com.my

Sony Manufacturing 2005–2007 · Engineer, SONY EMCS — MALAYSIA

Developed Linux-based software required for manufacturing. Also wrangled servers used in manufacturing and supply chain. Tools of the trade included MFC, VB.NET, PHP, Postgres, GTK.

TECHNICAL SKILLS

Basic R · MATLAB · C#

Intermediate Python · L^AT_EX · C · PostgreSQL · Nmap · Git · SVN · Objective-C · Android

Advanced NGinX · Puppet · Nagios · Collectd · PHP · MySQL · Java

OTHER INFORMATION

Communication Former Malaysian Public Speaking Champion

Entrepreneurship Baylor NewVenture 2014: Top-5 Finalist & 3rd place Elevator Pitch

Languages ENGLISH · Native

MALAY · Intermediate