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Curriculum Vitae

/ 01   Skills

Web Design + Full Stack Development
    Frontend   JavaScript, HTML5/CSS3
    Backend   LAMP

*NIX Sys Administration and Automation
    shell scripting; server deployment

Git Distributed Version Control System

Python, C++
    incl. data processing (gnuplot, numpy)

NodeJS, C#, VBA, and MATLAB

Document processing with LaTeX

Competitive Programming
    incl. data structures and algorithms

/ 02   Selected Projects

Luggage Tags   `C++`   2018
Singapore Armed Forces

Modified `svg` files using `C++` to automate the generation of > 1200 personalised luggage tags for an overseas exercise against time and manpower constraints.

The English Tuition Corner   `Full Stack`   2017
theenglishtuitioncorner.com

Deployed a `Wordpress` website and email server for my teacher from a `LAMP` VPS. Emails were also properly authenticated with `DKIM` and `SPF`. CAN EXPLAIN MORE

SMB Redesigned   `JS`   2016
github.com/sunjerry019/SMB_Redesigned

`Greasemonkey` User Script that incorporated `MaterializeCSS` to create a custom, better designed user interface to the school's online message board (SMB) at its original endpoints.

photonLauncher   `python/bash`   2016
github.com/sunjerry019/photonLauncher

Created equipment interfacing scripts used on Linux with `pyusb` and automated said scripts for repeated data acquisition. `numpy` and `gnuplot` were used to statiscally analyse collected data. Reverse `SSH` was utilized for remote monitoring, experimentation and extraction of data without physical access to the lab.

/ 03   Related Experience

2017 - 2019	Operations and Training Administrator	Army / NSF

Overcame limitations of provided tools by creating and maintaining a database in Excel to manage the particulars and details of more than `1200` people, including writing periphery tools to automate the verification (e.g. NRIC) and retrieval of information from the intranet using `VBA` and formulae.

2015 - 2016	Founding Member, Coding4Children	Volunteer
	Ulu Pandan Stars (UP Stars)	

Through various mini `scratch` projects, taught underpriviledged primary school children coding in hopes of getting them interested in technology and learning a new and useful skill in this changing times.

2014 - 2016	Photonics Interest Group	Founding Member
	Hwa Chong Institution	

github.com/sunjerry019/photonLauncher

Measuring the Temporal Correlation of Light from a Mercury Discharge Lamp   **2016**

Carried out Photon Statistics experiments in the photonics lab. Lorem ipsum dolor shit to explain what you did but dont repeat whatever you alr said.

2011 - 2016	Electronic Communications and Computer Club	Web Developer
	Hwa Chong Institution	Vice Chairman 2014

Self taught most computer knowledge in this club. Developed skills and gained experience in Web Design Development and Competitive Programming. Exposed to basic computer security concepts. Represented the school in national competitions such as the Singapore Games Creation Competition (SGCC) and National Olympiad in Informatics (NOI).

/ 04   Education

2015 - 2016	Hwa Chong Institution (Junior College)	H2 4×A's || H3 Distinction
	GCE A Levels	Physics, Chemistry, Maths and German H2
		Linear Algebra [NUS] H3

Selected to pursue Physics and Maths under the Gifted and Talented Education Programme. Excelled and was awarded the Hwa Chong Diploma with Distinction upon graduation.

2011 - 2014	Hwa Chong Institution (High School)	
	Integrated Programme	Academic Mean Subject Grade 1.27

Physics and Biology Specialisation with German as a 3rd Language. Graduated with the Outstanding Student Award (OSA).