Kwok Shun Git

Singapore University of Technology and Design
B. Eng (Information Systems Technology and Design)
Undergraduate CGPA: 4.5/5.0

Contacts & Profiles

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SKILLS & INTERESTS

System Administration (GNU/Linux) - Debian, Ubuntu

Web Backend - Flask/Django, SQL, Redis, Heroku, AWS

Web Frontend - HTML, CSS, JS (ES6), Vue.js, Three.js

Electronics - Circuit Design, Microcontrollers, FPGA

Parametric 3D Modelling - OpenSCAD, Rhino & Grasshopper

Languages - C, R, PHP, Java, Python, Mandarin, Japanese

Miscellaneous - zsh, tmux, vim, LaTeX, Juggling, Inline Skating

PROJECTS

SUTD Timetables - Crowdsourced Schedule Information (2015 - 2018)

Created a web service that allows students to upload their schedule and then subscribe using the iCalendar format (as a better alternative to using the student portal).

ju_bit - Rhythm Game for 50.002 Computation Structures (Fall 2016)

A homage to the arcade game Jubeat, implemented with a Field Programmable Gate Array (FPGA). Designed and constructed a custom game cabinet using laser-cut acrylic.

Phosphene - Light Installation (Singapore Night Festival 2017)

Built a lighting visualisation interface in Three.js, which allows the coding of light patterns and sequences to be communicated effectively within the team. The installation attracted over 10,000 people during the festival and was revived for SUTD Open House 2018.

Hyperbands - Light Installation (SUTD Capstone & Singapore Night Festival 2018)

Designed a lighting control system to handle over 4000 individually addressable RGB LEDs, using multiple Raspberry Pi and Arduino Nano boards. The installation was shortlisted to attend the White Night 2019 in Melbourne.

EXPERIENCE

Global Leadership Programme, MIT   MAY 2016 - AUGUST 2016

Exchange Student. Built a single-seater electric boat with an innovative drivetrain that allows the propellers to be used as wheels, giving it amphibious capabilities.

Singapore University of Technology and Design   SEPTEMBER 2016 - MARCH 2018

Teaching Assistant for 10.007 Linear Algebra and 10.009 The Digital World (Basic Python).

You System Co. Ltd. (Fukuoka, Japan)   MAY 2017 - AUGUST 2017

Software Intern. Added features to a PHP-based Content Management System for local legal services, including a new section for automated handling of seminar signups.

AWARDS

2016	**AEC Hackathon 3.9**	Best use of Immersive Tech
2017	**Azurenaut Weekend @ NUS**	1st Runner Up
2018	**SUTD Student Achievement Awards**	Laurel Award - Praxis+ (Phosphene)
	SUTD Capstone Showcase	Faculty Award - First Prize (Hyperbands)