

CHUA YUN DA

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Age: 23

Website: chuayunda.com

EDUCATION

- August 2018 to Present
Yale-NUS College Liberal Arts Student
Psychology Major and Philosophy Minor
Taken classes in General Physics (Electronics and non-linear dynamics), Introduction to Python, Introduction to Computer Science, and Understanding Behavior and Cognition
- December 2015
Anglo-Chinese School (Independent) International Baccalaureate Diploma
Achieved a score of 44, taking Biology, Chemistry and Mathematics at Higher Level
*Conducted independent Biology research on *Salvinia* spp.*

Current employment

- October 2019 - Present
Physical Sciences Research Assistant for Professor Ben Olsen's laboratory in Yale-NUS College
Worked with Raspberry Pis and data management with SQL on an Ubuntu for sensor systems

Skills

- Present
Hardware
Prototyping electrical circuits, basic wood working, laser engraving, Lego Mindstorms, basic Fusion 360 design and 3D printing
- Present
Computing
Programming Arduino for battery operated appliances, Bluetooth Low Energy, Raspberry Pi, Ubuntu XAMPP based SQL server, basic 3D animation on Maya, WordPress
- Present
Computer languages
Python, OCaml, R, Matlab

Projects

- October 2019 – present
Yale-NUS Laundry Checker (laundry.chuayunda.com)
Web system for students to check laundry machine's availability prior to wash
Prototyped and deployed Arduino Pro Mini with Bluetooth Low Energy, interfacing with Raspberry Pi to upload IOT data to web server
- September 2018 – Present
RememberingHarold.org
Designed, deployed, and maintained a WordPress site:
www.rememberingharold.org
Held fundraising campaigns
- May 2014 – June 2014
Project Deconstruct
Co-organized a hardware hacking competition for students at Science Centre
Designed and managed publicity for the event

LEADERSHIP EXPERIENCE

- January 2019 – May 2019
Yale-NUS Student Government (Director of Enterprise)
Organized and coordinated the summer storage system for the school using an electronic system
Contributed to a new eco-friendly electronic student welfare pack system during exam weeks
- 2016 – 2017
Singapore Armed Forces
Commissioned as an infantry officer in March 2017
Awarded the Jungle Confidence Course and Combat Skills badge
Awarded Advanced certificate in Team Leadership