

GAVIN VALES

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				WEBSITE	stillanixrookie.github.io

CAREER HISTORY

Aug. 2014 –Oct. 2018	Subway West Quay Southampton <i>Part-time</i> → Sandwich Artist, at West Quay shopping centre in Southampton
27th Oct. –31st Oct. 2014	Griffon Hoverworks Ltd. <i>Work experience</i> → Work experience at Griffon Hoverworks Ltd, in Southampton, gaining experience in CAD software in the design office. Also toured the workshop floor, gaining valuable insight of the jobs of the various mechanics.

SKILLS

CAD	SolidWorks & AutoCAD → For university, designing parts and profiles to be produced via 3D printing, laser-cutting, machining. For example flexible flippers, root and tip profiles of wire-cut foam wings etc.
Coding & Programming	Python → Used at university, first for dedicated coding courses (drawing Bezier spline aerofoils) and then for other coursework where automated calculations become very useful (eg. Using Method of Characteristics to design a rocket engine nozzle).
Coding & Programming	C++ → Learnt through some basic Arduino programming. Plan to expand this knowledge by developing my own flight controller for a home-made flying wing, and then maybe a quadcopter.
Coding & Programming	Linux bash scripting → Started using \LaTeX for report writing and found that Linux was more appropriate for this, making simple bash scripting a necessity.
Workshop	Machining → Took a manufacturing course with the <i>University of Southampton</i> , at City College Southampton, learning to use band saws, lathes etc. Looking to build a hot wire foam cutter to cut wings for my flying wing project.
Workshop	Automated Manufacturing → Can easily use, or learn to use, laser cutters, 3D printers etc.
Workshop	Electrical → Very good at general soldering tasks, learned through the RC hobby
Other	Customer Service → Experience at Subway has greatly increased my ability to work with customers
Other	Driving License → Currently studying for and taking driving lessons for a Full UK driving license

EDUCATION

Higher Ed.	University of Southampton <i>Sep. 2015 – Sep. 2019</i> → Studied for and achieved a <i>Second Class Honours (Lower Division)</i> in the MEng Aeronautical & Astronautical Engineering with Spacecraft Engineering theme course at the <i>University of Southampton</i> . Examples of my projects carried out at Univesity can be found on my Github page (above)			
A-levels	Peter Symonds College, Winchester <i>Sep. 2013 - Jul. 2015</i> → Maths: A; Chemistry: B; Physics: B; Biology: A			
Secondary	St George Catholic Voluntary Aided College, Southampton <i>Sep. 2008 - Jul. 2013</i> → Achieved 11 A* - B GCSE's			
	Chemistry	A*	Physics	A*
	Biology	A	History	A
	Mathematics	A	Religious Studies	A
	Spanish	A	Statistics	A
	Art	B	English Language	B
	English Literature	B	IT	Merit

REFERENCES

Rajeev Sharma	Rey Sub Ltd <i>Director</i> → 07882 852780, rajeev_subway@yahoo.com, Subway, West Quay, Southampton, 02380200596
Griffon Hoverworks Ltd.	→ Merlin Quay, Hazel Road, Southampton, SO19 7GB

HOBBIES & INTERESTS

Music	→ Played Double Bass at Grade 8 level, and used to play in the Southampton Youth Orchestra, and have achieved a high Merit in Grade 5 Music Theory. Now play bass guitar as a pastime.
Linux	→ I use linux as my main desktop OS due to its customisability. Learning to install & configure the i3 window manager, and playing around with command line applications, has helped to make my workflow efficient, and to expand my coding knowledge. I plan on developing/maintaining my own website using ssh and markdown, but for now a github page will suffice.
RC Hobby	→ Recently began building custom quadcopters, and plan to begin building RC aeroplanes, using a variety of manufacturing methods.