andrew**x**wang

full stack developer

about

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web

JavaScript
ReactJs
Pug/Jade
JQuery
Sass

mobile

Android Studio
React Native

backend

NodeJs
Django & Flask
Ruby on Rails
PHP

content management

WordPress

design

Adobe XD Mockups
Affinity Designer

interests

web development, mobile development, web design, data mining, product management, quantitative analysis, deep learning, parallel computing, computer vision

education

2014 - 2018	**Thomas Jefferson HS for Science and Technology**	Alexandria, VA
	Web Development	*PHP, NodeJs*
	Mobile Development	*Android Studio, Firebase*
	Artificial Intelligence 1 & 2	*Keras/Tensorflow, Python 3*
	Parallel Computing 1 & 2	*OpenGL, OpenMP, C*
	Computer Vision 1 & 2	*OpenCV, C++*
	Matrix Algebra	*MATLAB*
	Multivariable Calculus	

experience

fr.   02-18   **Alpha Royale Commercial Group**   Freelancer.
Increased *WordPress* site load speed from 15 to 3 seconds.
Redesigned logo and updated business cards to be bold and minimalist.
Currently maintaining website by updating descriptions and images.

fr.   02-18   **NuPulse Inc.**   Intern.
Scripted a software development cycle proposal focused on cybersecurity.
Designed diagrams that displayed the work flow of the *AGILE* methodology.

fr.   09-17   **CubeSat**   Programmer.
Automated a GoPro to record video when detecting motion using *OpenCV*.
Designed mission patch and created visuals to present the satellite network.

2017 - 2018   **HackTJ 5.0**   Organizer.
Updated website for this year's event using *Pug*, *Sass*, and *GulpJs*.
Created web scraper using to find nearby hackathons using *lxml*.
Wrote program to make images white and transparent with *PIL*.

08 - 2016   **Valador Inc.**   Developer.
Built a *WordPress* plugin to manage item listings using *PHP* and *MySQL*.
Implemented a item searching algorithm in an *iOS* app with *Swift*.

applications

fr.   04-17   **Coresearch**   https://holmes.wzhang.me/search
Constructed a research database aggregator using *Django*.
Processed articles for keywords and generated summaries with *spaCy*.
Drew the logo and designed website front-end using *Sass*.

fr.   03-18   **To The Moon**   github.com/w4v3s/tothemoon
Python program to trade on Robinhood using investment algorithms.
Built an interface to visualize spreads (multiple options).

2016 - 2018   **Haven**   axwang.me/haven
Developed a desktop task management application with *NWJS*.
Created database to store notes and tasks through *Firebase*.