Raymond Sidartha Wu

Software Developer

		raysidarta@gmail.com	<u>Linkedin</u>	<u>Github</u>	Portfolio	
Expe	erience:					
Freel	ance Software Developer					2022 - 2024
Nitar Devel	<i>tha Digital Library App</i> (Rooping mobile version of onlin Creating a flexible mobile a Developing robust book rea	eact Native) e archive and document reader application for iOS that communities ader for Tibetan and English use	nicates with an A	Apache Tomcat s	servlet	2023 – 2024
Write Hand	<i>Tibetan App</i> (Dart) writing keyboard for written T Created and published a mo Coded a predictive, interact Managed app state using D mode	Tibetan for language students obile application that allows use tive program of suggestive mate art's declarative paradigm betwo	rs to write Tibet thes to user draw een drawing can	an on mobile de vings of Tibetan vas, suggestion	vices letters (alphabet) bar, output textfield, text me	2022 mory, and tutorial
Phys	ics, Computer Science, an	d Math Tutor (self employe	d)			2020 - 2024
President of RPI Chapter Society of Physics Students						2019
Unde	ergraduate Research Assis Modeled test electric field o Worked on LabView code f	tant; Rensselaer Polytechnic chambers in COMSOL for remote control of prototype	<b>ic Institute De</b> valve	partment (RP	I) of Physics	2017 – 2019
<u>Proje</u>	ects:					
Reson Music	<i>und App</i> (Ruby on Rails, Rea s-sharing web app for musicia Created a fullstack SoundC	ct, Redux, PostgreSQL) ns loud clone, utilizing ajax reques	sts, allowing the	user to navigate	the app while playing musi	2021 – 2022 c
•	Designed a responsive audi	o player from the ground up that	it plays, scrubs,	and loop songs	er and song pages with React	-Redux
Deter • •	mination of the efficacy of rate Constructed small-scale liq liquefaction regions in xence Conducted experiments to o output voltage	don isotope in calibrating liquid uid xenon detector, built a capac on piping optimize the level sensor and rep	<i>l xenon detector</i> , citive level mete ported findings,	s in search of da r for the detecto using regressior	<i>ark matter</i> r chamber, and modeled hea n analysis to relate the fluid h	2018 t transfer in neight as a function of
Comp • N • S	<i>utational Physics Program</i> Ionte Carlo simulation on the Imulation of guitar string usin	effect that temperature has on th g Leapfrog integration measurir	ne phase changes ng the effects of	s of water the timbre upon	bending the string	2018 – 2019
Tech	nology/Programming:					

Python, Tensor Flow, Jupyter Notebook, Javascript/Typescript, C++, PostgreSQL, React, Redux, HTML, NumPy, MATLAB, Node.js, MongoDB, COMSOL, Gnuplot, LabView, VESTA, LaTeX

## Education and Training:

(Dual) BS Physics/ BS Applied Math (GPA: 3.7	7) Rensselaer Polytechnic Institute	May 2019
Intensive Physics Research Program	Rensselaer Polytechnic Institute Department of Physics nEXO	Summer 2018