John Gilbert

	John Guberi	
ohngilbert2571@)gmail.com	jg-apps.com
ducation		
M.S., Computer B.S., Chemistry	r Science and Information Engineering, <i>National Taiwan University</i> , Minors in Mathematics & Economics, <i>University of Vermont</i>	2019–2022 2012–2016
xperience		
Researcher, <i>N</i> - Currently D - Trained Ma	ational Taiwan University Developing Defenses against Poisoning Attacks on Distributed AI Systems achine Learning Models to Make Predictions from Medical Data	2019–2021
Software Deve - Developed - Implement	loper , <i>Freelance</i> Backend Modules & Frontend Templates with CRUD Functionality using ted Payment Methods with Django-Paypal API & Automated Email Respor	2018–2019 Django Ises for Forms
Quality Contro - Prepared S - Followed S	I Chemist, <i>Mylan</i> Solutions for Analytical Testing by HPLC and GC & Performed Inventory A Standard Operating Procedures (SOPs), Observed Regulations & Safety P	2017–2018 ssessment ractices (GxP)
Research Anal	l yst , Converseon, Inc.	2016
- Conducted	Data Cleaning & Analysis on Chinese Consumer Media for Johnson & Jo	1115011
kills		
Programming:	Python (<i>Tensorflow, Pytorch, Pandas, Numpy, Sklearn, Numba, Cython,</i> C, C++, Javascript / Typescript (<i>React</i>), Node.js, HTML, CSS (<i>Sass</i>), Juli	Django), a
Utilities: OS:	AWS, GCP, Bash, Git, Vim, VS Code, Jupyter, MS Office macOS, Ubuntu Linux, Windows 10	
Languages: Chemistry:	English (<i>Native</i>), Mandarin (<i>Fluent</i>), Spanish (<i>Advanced</i>) NMR, FT-IR, GC-MS, LC-MS, ICP-OES, UV-Vis, Chromatography	
Projects (https://	/github.com/johngilbert2000)	
- AI Defense: D - Nested Looka - User-Space S - Portfolio Webs - Sentiment140 - Bioinformatics	enoised adversarial attack images with autoencoders head Optimizer: A custom Pytorch optimizer based on Lookahead cheduler: A simulated scheduler in C involving custom Linux syscalls site: Website made with React, Sass, and Typescript Analysis: Trained Fastai & TF2 NLP models on 1.6 million tweets Paper Implementation: Used TF2 to classify bacteriocin AA sequences	2020 2020 2020 2020 2019 2019
wards		
Woodworth Priz	ze in Chemistry: Grant Issued for Scientific Research	2015