

# Robert Lou, MD, MBA

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CONTACT INFORMATION	801 S. 24th St Philadelphia, PA 19146	e-mail: <a href="mailto:rlou@google.com">rlou@google.com</a> website: <a href="https://boblou.github.io">boblou.github.io</a>
EXPERIENCE	<b>Google</b> <b><i>Product Manager, Cloud Healthcare and Life Sciences</i></b> • Healthcare APIs	Sunnyvale, CA <b>2021-Present</b>
	<b>Google</b> <b><i>Product Manager Intern, Cloud Security</i></b> • Worked on security key product strategy on the Cloud Security team. • Conducted market analysis and data analysis to determine user trends and opportunities.	Mountain View, CA <b>Summer 2020</b>
	<b>Clinarify LLC</b> <b><i>Co-founder &amp; CTO (Part-time)</i></b> • Created web tech stack that allows healthcare businesses to access consulting services from our clinician expert network. Supports client e-payments, e-signatures, scheduling, and feedback. • Provided clients with consulting services from 100+ clinicians across 20 different specialties.	Philadelphia, PA <b>2020 - 2021</b>
	<b>Hospital of the University of Pennsylvania</b> <b><i>Machine Learning Researcher (Part-time)</i></b> • Led team of engineers, clinicians, and statisticians to develop deep learning models to detect follow-up recommendations in the text of radiology reports. This work has been presented at national meetings and featured by <a href="#">radiology press</a> . • Identified FDA-approved drug candidates to be repurposed for COVID-19 treatment using computational models to estimate the likelihood of drug ligands binding to COVID-19 proteins. • Publications: <a href="#">Google Scholar</a>	Philadelphia, PA <b>2017-2020</b>
	<b>MathWorks</b> <b><i>Software Engineer</i></b> • Developed functions for the Statistics and Machine Learning Toolbox for MATLAB. Contributed to all parts of the development cycle, including design, implementation, testing, and deployment. Parallelized frequently used back-end C++ functions, which resulted in faster runtimes by 50% for the majority of users. • Created how-to videos for machine learning in MATLAB. • Mentored summer interns by defining summer projects and providing technical guidance.	Natick, MA <b>2015-2016</b>
EDUCATION	<b>University of Pennsylvania</b> <b><i>MD, MBA</i></b> • Distinctions: Marc Levine Radiology Research Award, Wharton Healthcare Fellow • Program Assistant, RSNA National Imaging Informatics Course: Coordinated with radiologists to deliver content in a new MOOC which teaches informatics to medical residents. • VP of Ventures, Penn HealthX: Managed \$30,000 venture fund with the aim of supporting students developing innovative ideas in healthcare.	Philadelphia, PA <b>2016-2021</b>
	<b>Columbia University</b> <b><i>BA in Computer Science and Mathematics, magna cum laude</i></b> • Distinctions: Columbia Computer Science Department Award (2 students per graduating class), Phi Beta Kappa • Teaching Assistant, Multivariable Calculus	New York, NY <b>2011-2015</b>
ADDITIONAL INFORMATION	Programming Languages/Libraries: Python, Pytorch, C/C++, Java, MATLAB, JavaScript Interests: Playing piano and accordion (50,000+ YouTube views), cooking, rock climbing, and photography.	