Philippe Proctor				
proctor.philippe@gmail.com	proctor.github.io	in peproctor	peproctor	
Skills				
Software Python (NumPy, PyTorch, Scikit-lear	n, SciPy, Pand	as, Matplotlib,	MPI4Py), MATLAB, C, Git	
Expertise Reinforcement learning, deep learning estimation, recursive Bayesian estimation, time-series and approximation optimization.	ation (particle	and Kalman fil	ter), Monte Carlo methods,	
Education				
M.Sc. ECE — Portland State University			2021	
Focus: Signal Processing and Machine Learning, GF	A: 3.9/4.0			
Courses: Deep Learning Theory and Practice, Math Random Processes, Numerical Optimization I & II, I				
B.Sc. — University of California Santa Bar	bara		2016	
Major: Biopsychology				
Experience				
Portland State University <i>Graduate Research Assistant</i>			June 2019 - Aug. 2021	
• Constructed a novel deep reinforcement learn rate of 95% in a complex nuclear source search	~	~ .		
 Developed deep neural network model for rac matched performance of a Markov chain Mon 				
• Mentored 3 NSF-funded undergraduate stude ran lab meetings for 15 students	ents on compu	tational model	ing research projects and	
• Presented research results and project progres	s at 3 annual r	eviews for fun	ding agency	
Medical Micro Instruments Instrument Test Engineer Intern			June 2018 - Sept. 2018	
• Designed instrument life cycle test protocol for flaw resulting in component redesign that incomponent	-			
Carpe Data Data Analyst Intern			June 2016 - Jan. 2017	
• Created data cleaning script in Python using I errors, used in an exploratory data analysis to		•	_	
 Presented investigative report of company ass 	set performanc	e to managem	ent leading to integration of	

- asset into product pipeline
- Proposed 2 novel data sources for use in the predictive modeling

Troposed 2 nover data sources for use in the predictive modeling	
Publications	
Proximal Policy Optimization for Radiation Source Search [MDPI Journal of Nuclear Engineering] Proctor P., Teuscher C., Hecht A., Osiński M. — Accepted	2021
Awards	

2020 Maseeh College of Engineering and Computer Science Outstanding MS Student Award