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

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

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