Philippe Proctor				
proctor.philippe@gmail.com	peproctor.github.io	in peproctor	peproctor	
Skills				
Software Python (NumPy, PyTorch, OpenMPI, C, Git	Scikit-learn, SciPy, Panda	as, Matplotlib, M	PI4Py), MATLAB,	
Expertise Reinforcement learning, de estimation, recursive Bayes numerical optimization, tir	sian estimation (particle a	and Kalman filter), Monte Carlo methods,	
Education				
M.Sc. ECE — Portland State University Focus: Signal Processing and Machine Le	5		2021	
B.Sc. — University of California S <i>Major: Biopsychology</i>	anta Barbara		2016	
Experience				
Portland State University Graduate Research Assistant • Constructed a novel deep reinforcer	nent learning architectur	e using PyTorch	June 2019 - Aug. 2021 that achieved a success	
rate of 95% in a complex nuclear so	9	0 .		
 Developed deep neural network moments matched performance of a Markov of 			.	
• Mentored 3 NSF-funded undergrad ran lab meetings for 15 students	uate students on compu	ational modeling	research projects and	
• Presented research results and proje	ct progress at 3 annual re	eviews for fundir	ig agency	
Medical Micro Instruments Instrument Test Engineer Intern			June 2018 - Sept. 2018	
 Designed instrument life cycle test p mechanical design flaw resulting in 		•		
Carpe Data Data Analyst Intern			June 2016 - Jan. 2017	
• Created data cleaning script in Pyth errors, used in an exploratory data a	_	-	_	
• Presented investigative report of con-	•	=		

- asset into product pipeline

• Proposed 2 novel data sources for use in the predictive modeling	
Publications	
Proximal Policy Optimization for Radiation Source Search [MDPI Journal of Nuclear Engineering] <i>Proctor P., Teuscher C., Hecht A., Osiński M.</i> — In revision	2021
Awards	

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