Garrett Wolfe

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EDUCATION

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M.S. Artificial Intelligence University of California San Diego	Jun 2022
B.S. Computer Science University of California Irvine, Cum Laude, GPA 3.88	Jun 2020
Google's DeepMind Fellowship Scholar Sep 20	020 - Jun 2022
Coursework: Natural Language Processing, Machine Learning, Probabilistic Reasoning, Recommendation Operating Systems, Data Structures, Databases, System Design, Requirement Analysis, Object Oriented Processing Processi	
EXPERIENCE	
 Machine Learning Engineer, Intern Created self-supervised object detection infrastructure consolidating a 4-person task and est 	021 - Sep 2021 ablishing
 baselines to prevent object collisions for autonomous equipment Implemented image similarity algorithms to reduce oversized training and validation datase Worked cross-functionally with team members to develop scalable Auto ML pipeline 	ts by 92%
 Met with stakeholders and assessed their needs in the field, informing design of image label and performance requirements 	ling schema
	020 - Oct 202
Full Stack Developer, Intern	
 Designed, prototyped, and developed a new messaging feature in collaboration with stakeho increasing adoption and boosting user confidence Resolved concurrency issues from database transactions eliminating scheduled job failures Created RESTful APIs using Test Driven Development in Ruby on Rails framework Onboarded and mentored new employees expediting integration into the team 	Juers,
PROJECTS	
COVID-19 Severity Classifier - Pytorch, Pandas	Jun 202
 Created classifier to predict the likely severity of covid infections using peptide frequencies Identified 11 key peptides from set of 100,000 as targets for future research 	I.
 Overcame small dataset, noisy and missing data, and severe imbalance of number of parame samples 	eters to
 Reinforcement Learning Path Finder - Numpy, Jupyter Notebook Created a reinforcement learning algorithm from-scratch facilitating intelligent navigation of non-deterministic environment Implemented using both policy iteration and value iteration cementing ML fundamentals 	Dec 2020 of a
UNITE App - C++, Sqlite	Dec 201
 National Science Foundation sponsored project to provide ubiquitous medical monitoring w IoT devices for pregnant mothers in underserved communities using state-of-the-art ML me Optimized sensor data collection on Samsung Gear smartwatch improving battery life by 20 Implemented local database for sensor data storage to enable statistical analysis, feature ext machine learning on edge devices 	ethods 0%
SKILLS	

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Languages: Python, C++, Java, Ruby, Javascript, C, SQL, HTML, CSS, jQuery, Assembly Tools: Pytorch, Numpy, Jupyter Notebook, Pandas, Scikit Learn, Sklearn, AWS, Weights and Biases, Android Studio, Git, Ruby on Rails, Visual Studio, Selenium, Chrome Developer Tools Methodologies: Agile, Kanban, Scrum