## JAXON BAILEY

SOFTWARE ENGINEER, NYC

WEBSITE hi-jaxon.github.io
 LINKEDIN linkedin.com/in/jaxonbailey
 GITHUB github.com/hi-jaxon
 EMAIL jaxonbailey01@gmail.com
 PHONE +1 737 230 2137

SKILLS —			
Java	Bootstrap	English	
Python	React.js	Japanese	
Javascript	jQuery	Spanish	
HTML/CSS	Django		
Matlab	Express/Node.js		
EDUCATION —			
University of Pennsylvania,	School of Engineering and Applied	Science	2022 – Now
Master of Computer Science	e (MCIT)		
UNIVERSITY OF TEXAS AT AUSTIN, Cockrell School of Engineering			2015 – 2018
Bachelor of Science, Mechai	nical Engineering		
PROJECTS —			
Q-LEARNING AGENT, UPenn MCIT			2023
Designed an AI agent that learns through interactions with its environment via trial & error.			
9	world, avoiding pitfalls to reach a go	•	t
	win rate in Pacman by exploiting a w	reighted feature function.	
Al Domino Player, UPenn MC			2023
	elligent player for a one-on-one dom		
	nd minimax decision rules to search	for the best plays.	0000
OBSTACLE NAVIGATION PROGRA		e de la lace	2023
	ram to solve the problem of navigat		
grid with obstacles. Employed A* search to improve on breadth-first search.			2022
FLU TWEET ANALYSIS, UPenn MCIT			2023
Designed a Java program using N-tier architecture to analyze Twitter data, look for tweets regarding occurrences of the flu, and estimate where the disease is affecting people. Used			
JSON.simple to read JSON data. Applied Singleton and Factory design patterns.  WAAVES, Duvauchelle Labs, University of Texas			2018
	-	lia data farranimal rasasarah	2010
Co-developed a Matlab program that parses and processes audio data for animal research labs. Implemented a GUI, greatly improving ease of use and increasing program stability.			
iassi iiipisiiisia a <b>33</b> ,4 gi	auty miprovinig data ar ada ana ma	odog program oddoy.	
WORK —			
English Language Coach, Self-Employed, Remote			2018 – Now
	ages from 30+ countries and assiste		
like job interviews, college admissions, and the cultural assimilation of immigrants to the US.			
LEAD TEACHER, Human Academy, Tokyo, Japan			2021–2022
	nal English immersion curriculum fo		
	achers and served as liaison betwee	n school and management.	
RESEARCH ASSISTANT, Duvauchelle Labs, Austin, Texas			2017 – 2021
Co-developed an audio pro	cessing program for use in animal re	esearch labs. Automated	

data aggregation/file management tasks with Python, saving hundreds of work hours.