Harrison Green

Computer Science & Microbiology

harrisongreen.me	github.com/hgarrereyn	HarrisonMichaelGreen@gmail.com
Education	University of Pittsburgh - Honors College / Pursuing B.S. in CS & Microbiology April 2021 (expected), Pittsburgh	
	 Cryptocurrency Club (President & Co-founder) Computer Science Club Robotics and Automation Society Information Security Club 	
Experience	IFM Technologies / Software Engineer Intern June 2016 - September 2016, Chicago	
	Independently developed a drone control interface to be run on an embedded system with an Angular frontend and a NodeJS/Cassandra backend. Independently created a RESTful API server to run data processing jobs and to facilitate ROS/WebSocket communications between system components.	
	Channel IQ (Acquired by MarketTrack) / Software Engineer Intern June 2015 - February 2016, Chicago	
	Developed .NET MVC UIs in C# to visualize and datasets. Wrote automated Scala tasks to perfo in a continuous integration workflow.	
Projects	MiniBit - A CPU from scratch harrisongreen.me/minibit	
	A working cpu built out of TTL and CMOS integrated whole bunch of wires. Full schematic created wi with Verilog.	
	OCRaaP (Optical Character Recognition as a Program) github.com/hgarrereyn/ocraap	
	An esoteric, 2d programming language where yo Symbol detection/classification is performed wi	
	RoombaSIM github.com/pitt-ras/roombasim	
	A drone simulation platform written in Python for developing high-level AI algorithms to solve the International Aerial Robotics Competition Mission 7.	
Skills	Server: macOS, Ubuntu, x86, MIPS	
	Languages: Python, Java, Scala, C, Objective-C, Javascript	
	Tools: Git, GDB, Jupyter	
	Frameworks: NumPy, OpenCV, pandas, TensorFlow, ROS, AngularJS, OpenGL	

Data: Cassandra, SQL, Apache Spark