

Zachary Hart

CONTACT INFORMATION	2109 Becket Drive Flower Mound, Texas 75028	zthart96@gmail.com (972) 786-5794 github.com/zthart
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OBJECTIVE	Seeking a co-op in software engineering for the Summer of 2017.
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EDUCATION	Rochester Institute of Technology - Rochester, NY • Major: B.S. Computer Science • Expected graduation: June 2020 • Relevant Coursework: Data Structures & Algorithms, Mechanics of Programming, Intro to Software Engineering, Concepts of Computer Systems	August 2015 - Present
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PROJECTS	CSH Lounge Automation Aggregates control of consumer devices such as A/V receivers, projectors, and lighting control and implements X10 Automation , HDMI-CEC , and serial communications to interface with the devices. The devices are exposed to web requests via Python/Flask application in order to allow control from any internet enabled device.	http://github.com/zthart/csh-automation
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	Drink A collection of web-connected vending machines that allow users to vend items from any device connected to the internet. Worked on a diverse team to maintain, update, and discover new approaches to interface mechanical machines with modern hardware via the one-wire protocol, and a python server/client model.	http://github.com/zthart/drinkpi
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	Huffman Lite A huffman-like encoding and compression algorithm that utilizes a huffman-tree style heap in order to encode and decode both human-readable and binary files written in C .	http://github.com/zthart/huffman-lite
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	Healthnet A responsive webpage built using the Django web framework to allow doctors, patients, and nurses to interact and share pertinent medical information, manage prescriptions, and schedule and manage appointments throughout their office, hospital, or across a network of institutions.	
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EXTRACURRICULAR	CSH (Computer Science House) House Improvements Director Drink Administrator Member	http://www.csh.rit.edu/ August 2016 - Present March 2016 - Present August 2015 - Present
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Computer Science House, or CSH, is a group of technically-minded students at the Rochester Institute of Technology that all share a goal of learning and creating through collaboration. Members past and present have been responsible for creating many projects that have seen incredible success at RIT, as well as in the public space.

TECHNICAL SKILLS	Languages Java, Python, C Frameworks Flask, Django Operating Systems Linux, Windows Technical Skills 6502 Assembly, General Digital Electronics, Hardware Prototyping, Home Automation	
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