

Joshua Cristol

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Education

The University of Texas at Austin – Pursuing a B.S. in Computer Science	Expected Graduation: May 2018
The University of Texas at Austin – Pursuing a B.S. in Electrical and Computer Engineering	Expected Graduation: May 2018
Relevant Skills Java, Scala, C/C++, Python, Arduino, RPi, Django, Flask, SQL, Docker, Tensorflow, GraphQL	

Experience

Spredfast (Austin, TX) – Software Engineering Intern	Summer 2017
<ul style="list-style-type: none">Developed “dockerized” backend microservice that manages labeling of social media content on Spredfast’s major applicationsCreated a web application mortydex.com as part of a personal software project that I had to present at the end of the Summer	
Verizon (New York, NY) – Network Engineering Intern	Summer 2015
<ul style="list-style-type: none">Explored and learned about the complex network of fibers and copper beneath the streets of Manhattan	
Elbit Systems of America (Fort Worth, TX) – Software Engineering Intern	Summer 2014
<ul style="list-style-type: none">Designed a software test suite for a military grade display system sold by ElbitContributed to a large and complex code infrastructure and was exposed to the team code review process	

Projects

MortyDex (mortydex.com) – Python, Flask, Scrapy	Summer 2017
<ul style="list-style-type: none">Web Application that displays the many different versions of Morty from Rick and Morty in a pokedex fashionScraped the data by using a Python tool called Scrapy which is an asynchronous tool and has a very easy set of rules to crawl the web with	
Pintos Operating System – C	Spring 2016
<ul style="list-style-type: none">Implemented the Pintos operating system through a series of projects pertaining to the thread life cycle, the file system, virtual memory, and user programs over the course of my Operating Systems class	
445L Hyperlapse Final Project – C	Fall 2015
<ul style="list-style-type: none">Built a fully functional 3 axis hyperlapse video controller and mechanical rigDesigned a PCB that controlled 3 servos and powered an ARM microcontroller	

Extracurricular Activities

Texas Guadaloop – Head of Electronics	Fall 2015 - Present
<ul style="list-style-type: none">Competing in the international Hyperloop pod competition sponsored by SpaceX and Elon MuskWon an Innovation Award from SpaceX for our pod Furiosa this summer after proving our pod in vacuum and on an open air test trackBuilt an autonomous controls system using a NI Myrio and many I2C sensors to perform pod navigation and data collection	
Beis Medrash Program	Fall 2014 - Present
<ul style="list-style-type: none">Program at UT Hillel to study Talmud	
ACM (Association for Computing Machinery) – Member	Spring 2016 - Present
<ul style="list-style-type: none">Participate in outdoor excursions and frequently go to ACM campus meetings	

Course Work

- Artificial Intelligence
- Neural Networks
- Graphics
- Software Engineering
- Operating Systems
- Networks and Security
- Advanced Embedded Systems Lab

Personal Activities

Sports (Soccer, Skateboarding, Snowboarding), Learning Hebrew, Chess, Cooking, Hiking (Green Belt, Barton Creek), Woodworking (Desks, Tables, Workbenches, Beds)