

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
• Developed “Dockerized” backend microservice that manages labeling of social media content on Spredfast’s major applications
Verizon (New York, NY) – Network Engineering Intern Summer 2015
• 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
• Designed a software test suite for a military grade display system sold by Elbit
• Contributed to a large and complex code infrastructure and was exposed to the team code review process

Projects

MortyDex (www.mortydex.com) – Python, Flask, Scrapy Summer 2017
• Web Application that displays the many different versions of Morty from Rick and Morty in a pokedex fashion
• Scraped 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
• 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
• Built a fully functional 3 axis hyperlapse video controller and mechanical rig
• Designed a PCB that controlled 3 servos and powered an ARM microcontroller

Extracurricular Activities

Texas Guadalupe – Head of Electronics Fall 2015 - Present
• Competing in the international Hyperloop pod competition sponsored by SpaceX and Elon Musk
• Won an Innovation Award from SpaceX for our pod Furiosa this summer after proving our pod in vacuum and on an open air test track
• Built 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
• Program at UT Hillel to study Talmud
ACM (Association for Computing Machinery) – Member Spring 2016 - Present
• Participate in outdoor excursions and frequently go to ACM campus meetings

Course Work

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- 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)