

TYLER KRUPICKA

Rochester, NY 14623 | Newberg, OR 97132 | tyler@mail.rit.edu | tylerkrupicka.com |
github.com/tylerkrupicka | linkedin.com/in/tylerkrupicka

Objective

Seeking full time software development or computer engineering co-op summer and fall 2015.

Education

Rochester Institute of Technology

2013-Present

Notable Coursework:

B.S. in Computer Engineering. Minor in Computer Science. Dean's List 2013-Present; 3.7 GPA.

Computer Science 1-3, Digital Systems Design 1-2, Natural Language Processing, Assembly Language, Software Engineering, Circuits, Statistics.

Portland Community College

2011-2013

78 combined credits between programming, machining and technical writing classes. 4.0 GPA.

Skills

Proficient: Python, Java, C, Django, ARM Cortex Assembly, VHDL, QBasic, Arduino.

Experience: Digital Logic/Electronics, FPGAs (Spartan 6), Natural Language Processing (NLTK), Twitter API, HTML, CSS.

Tools: Linux, Matlab, Quartus, Modelsim, Xilinx ISE, Keil uVision, Eclipse, JetBrains, Git, SVN, CVS, Pronterface/Repetier, Inventor/SolidWorks, Mill and Lathe Machining, Adobe Creative Suite.

Employment

CIAS Lab Technician

2014 - Present

Maintain student labs, assist students and faculty, provide technical support for the College of Imaging Arts and Sciences.

Freelin Wade Company

Summer 2013

Engineering/Marketing intern in a large plastic tubing manufacturing facility.

Projects

3D Printers: Build, operate, and maintain a Kossel Clear (Ramps) and Prusa Mendel i2 (Sanguinololu).

Staticky: Static site generator / content manager written in Python. Used to run personal website.

Defiantly.me: A Django website that uses machine learning to identify misuse of "defiantly" on twitter.

PlayVis: Natural language processing analysis for Shakespeare. (github.com/Nolski/playvis).

Gobblet AI: 2nd Place Java artificial intelligence team project for the RIT CS Department.

Serial Interrupt Driver: UART serial keyboard driver for ARM Cortex M0+ written in assembly.

FTC-Automate: C configuration for quickly coding and automating First Tech Challenge robots.

AR Drone Challenge: Team autonomous drone challenge (using node.js) for Imagine RIT in May.

Mysh: C89 shell program written for Mechanics of Programming class.

Activities

RIT Computer Science House

FIRST Tech Challenge Robotics Captain

2010 – 2013

Two appearances at FIRST World Championship.

Boy Scouts of America (Eagle)

2007 – 2012