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# Zachary D. Weeden
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**Current Residence**
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**OBJECTIVE:** Seeking opportunity to exhibit my talents and gain experience from a rewarding co-op position in the field of Computer Engineering. Available May to August 2016.

**EDUCATION:**

**Rochester Institute of Technology,** Rochester, NY
Program: Computer Engineering Technology
Degree:   Bachelor of Science, May 2018

**Related Courses:**

| | | |
|---|---|---|
| Hardware Description Language | Digital System Design | Digital Fundamentals |
| Digital Signal Processing | O-O Programming | Electronics I & II |
| Networking Technologies | DC/AC Circuits | Computer Science Theory |
| Data Structures/Computational Problem Solving | | Microcontroller Systems |

**SKILLS:**

**Languages:**

| | | | | |
|---|---|---|---|---|
| Python | C++ | HTML/CSS | Microsoft Visual Basic | Bash |
| Java | Git | LaTeX | JavaScript | VHDL/Verilog |

**Software**:

| | | | |
|---|---|---|---|
| Eclipse | Visual Studio | Sony Vegas | Microsoft Office (72 WPM) |
| LaTeX | Altera QSim | MiniTab | Adobe Dreamweaver |
| Multisim | ModelSim | Altera Quartus II | Linux/Windows/Mac OS |

**Equipment:**

| | | | |
|---|---|---|---|
| Protoboard | Digital Multimeter | Function Generator | Oscilloscope |
| Soldering | Arduino Uno | DE2 FPGA (Cyclone II) | Raspberry Pi |

**WORK EXPERIENCE:**

**Self-employed,** Rochester, NY
_Reseller._  Make use of my coding ability to exploit online retailers' checkout process to ensure purchase of limited sneakers which are then sold for profit on eBay.          September 2011 – present

**Self-employed,** Middleton, MA
_Independent Computer Consulting._ What first began as helping relatives became a way to earn money from a passion; running the gamut from maintenance and repair to suggestions on hardware and software.                          June 2007 – present

**PROJECTS:**

**SnapSave**: Proof of Concept demonstrating _Snapchat's_ vulnerability to a man in the middle proxy. Allows users to save media without 'opening' and voiding the expiration of media.

**Various website scrapers**: Design and take advantage of certain website API endpoints to scrape and get early access to limited products web pages as well as automate other tasks.

**Magnetic Card Emulator**: Use of an amplifier and electromagnet to induce signals that spoof magnetic card readers involving circuitry and software.

**classStalker RIT**:  Python script that scrapes a user's class roster lists via headless browser and then displays other students that multiple classes are shared with.

**SMS/eMail Stresser**: Using mutt/ssmtp, this script will flood an email or sms gateway.

**Sitemap Page Monitor**: Parses websites sitemap at polled interval, displaying/tweeting changes.

**INTERESTS:**

**Varsity Intercollegiate Baseball:** Outfielder for the Rochester Institute of Technology Tigers Men's Varsity Baseball Team. (Fall 2011)