

# Matthew A. Krass

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## **Education**

Clarkson University, Potsdam NY - Bachelors of Science, Computer Engineering, Class of 2010

### Relevant Courses:

Computer Architecture, Instrumentation, Computer Engineering Senior Lab, Microprocessors, Microelectronics, Control Systems, Advanced Digital Design, Digital Systems Design, Software Systems Architecture, Systems and Signal Processing

## **Skills**

### **Software**

Microsoft Office, Google Documents, TeXMaker, Altium Designer, EAGLE, Cadence OrCAD, Xilinx ISE, Quartus II, MATLAB, LabView, Agilent Logic Analyzer/DSO Desktop Software, Protege, Octave, Gnuplot, Eclipse, Code::Blocks, Emacs, VMware Fusion, VMware Workstation

### **Hardware/Test Equipment**

Oscilloscope, Logic Analyzer, Multimeter, Function Generator, SWR Meter, Soldering Iron, Desoldering Pump, Breadboards

### **Programming**

Java, C++, C, VHDL, PHP, Perl, OWL, MySQL, LaTeX, MATLAB, Freescale Assembly, Atmel AVR Assembly

## **Work Experience**

### **Assured Information Security, Software Engineer - Rome, NY - May 2009 to August 2009**

Researched and developed software, models and initial classifications for Air Force Office of Scientific Research sponsored project. Extensive use of Java, OWL, SQL as well as Microsoft Office for documentation. Obtained Department of Defense Security Clearance, Secret.

### **Coco Securities, Lead Engineer/Installation Technician - Holbrook, NY - 2006 to May 2009, May 2010 - Present**

Planned layout for CCTV security cameras and wiring. Installed configured and maintained Digital Video Recorder units with network based remote view capability. Diagnosed and troubleshooted systems remotely and on site.

## **Activities/Qualifications**

**FIRST Robotics** - Student 2002 to 2006, Mentor from 2007 to Present, Team 263

**FCC Licensed Amateur Radio Operator** - General Class, 2007 to Present

**Clarkson University Amateur Radio Club** - Member 2006 to 2010

**Clarkson SPEED Radio** - Member 2008 to 2009, Team Leader 2009 to 2010

**Eligible for Dept. of Defense Security Clearance**

*References available upon request.*