**Maxwell Hougas**

McFarland, Wisconsin

608 669 7557

max dot hougas at gmail dot com

https:// www dot Linkedin dot Com/ in/ max-hougas/

https:// www dot github dot com/ maxhougas

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**About Me**

Code monkey and aspiring security guy. Skilled in C programming language and continually cognizant of security concerns. Self-motivating and currently working on an artificial intelligence project and maintaining a Git repository.

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**Skills**

**Programming Languages**: C, C++, Java, MySQL, PHP, HTML

**Cisco IOS**

**Linux network tools:** nmap, netstat, ssh, openvpn

**Secruity tools:** Surricata, Snort, pfSense, ClamAV

**Operating systems:** Windows 7, Windows 10, Debian, Kali, Ubuntu, SuSE, Fedora, Solaris

**Office software:** Word, Excel, Powerpoint, LibreOffice

**Small team leadership**

**Misc:** hand tools, welding, fast turnaround times, changing objectives

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**Relevant Experience**

**Artificial Intelligence** | Solo project JUL 2021

* + Implements McCullough-Pitts neuron model
  + Finds the first configuration where all given inputs match their associated outputs

**Calculator** | Solo project NOV 2014

* + Command line RPN calculator
  + Provides access to most math.h functions

**WOOZ** | Valparaiso University MAY 2010 – MAY 2011

* + Developed and implemented a module to receive and render mathML documents
  + Collaborated with a computer science professor to build intelligent tutoring software
  + Developed a Java server to work with an ActionScript client
  + Developed an ActionScript client to load various modules

**VizBox** | Valparaiso University DEC 2009 – MAY 2010

* + Used POV-Ray, camera techniques, and ImageMagick to generate 3-D images
  + Worked towards implementing 3-D images as a classroom aid

**Golf Minimization** | Valparaiso University SEP 2009 – MAY 2011

* + Minimized a golfer’s walk by choosing where the golfer leaves his bag
  + Solved the problem by brute force with a C program

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**Employment**

**Abrams Tank System Maintainer** | First Armored Division AUG 2016 – APR 2021

* + Troubleshot technical issues with M1A2 SEPv2 Abrams tanks
  + Ordered and replaced components
  + Operated and maintained an M88A2 HERCULES
  + Led a small team of junior soldiers to do the same

**Captioning Assistant** | CapTel JUN 2012 – AUG 2016

* + Captioned telephone calls using Dragon Naturally Speaking

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**Education**

**Cybersecurity Professional Certificate** | University of Wisconsin-Madison APR 2022

**BS in Computer Engineering and Computer Science** | Valparaiso University MAY 2011