**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 || https:// hub dot docker dot com/ u/ maxhougas

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**About Me**

Code monkey: aspiring security technician, full stack developer and Linux guy, skilled in C programming language and continually cognizant of security concerns. Self-motivating and currently working on a Debian based Empyrion server.

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**Skills**

**Programming Languages**: C, C++, Java, MySQL, PHP, HTML, Python, Bash, JavaScript

**Linux network tools:** Nmap, Netstat, SSH, OpenVPN, Docker, Apache2

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

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

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

**Small team leadership**

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

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**Relevant Experience**

**VPS Administration** | Solo project | 74.208.104.107 JUN 2024 - PRESENT

* + Debian operating system
  + Most applications containerized with Docker
  + Access to containers mediated through SSH with keys and certificates

**Full stack app** | Solo project NOV 2023

* React front end; node + express back end; MariaDB database
* Performs CRUD operations

**Network Configuration** | University of Wisconsin-Madison JUL 2021

* + Implemented in Cisco Packet Tracer
  + Implemented IP addressing scheme
  + Implemented VLANs

**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

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

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

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**Employment**

**Stocker |** Woodman’s Market OCT 2024 – JAN 2025

* Stocked and faced shelves throughout the store.

**Lathe Operator** | Kelsch Machine Corporation MAY 2024 – JUN 2024

* + Operate Mori Seiki and Puma Lathes

**Software Developer** | TBD JUN 2022 – OCT 2023

* Wrote websites for various clients in ReactJS

**IS Support** | TDS Telecom AUG 2022 – OCT 2023

* + Listen to people’s description of advanced computer nonfunctionality
  + Render assistance and/or route the ticket to the appropriate team

**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

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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