

CARSON HAKE

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|www.linkedin.com/in/carsonhake/ |www.carsonhake.dev| github.com/Chake96|

COMPUTER EXPERIENCE:

- Languages:
 - Strongest:
 - C++, Python
 - Experienced:
 - Rust, C, PHP, MatLab, SQL, MYSQL, Racket, Pytorch, Java, Javascript, HTML, CSS, React
- Software:
 - Fast.ai
 - Proxmox, AWS and Google Cloud Linux Instances
 - Experience in Linux Systems: Ubuntu, Kali, Debian, BackBox, WSL
 - Hypervisor: VMware Workstation, Virtual Box
 - Wireshark
 - NixOS
 - Git

WORK EXPERIENCE:

- **Webmaster** (2014) <https://www.delawarecrew.com> (volunteer)
- **IT Helpdesk Intern** (December, 2015 - May, 2016) University of Delaware, College of Engineering
- **Web Developer** (March, 2016 – May, 2017) University of Delaware: College of Engineering
- **Software Developer** (January, 2017 – March, 2017) University of Delaware: Weinberg Corporate Governance Center.
 - **Duties:** Web scraping and Data Handling
- **Web Developer** (August 2016 – October 2018) University of Delaware: Department of English
 - **Duties:** Maintained and updated www.arakjournal.org
- **Computer Science Tutor** (May, 2016 – December, 2018) Chegg Inc.
- **GEL** – (~2017 – May, 2019) University of Delaware, Deep Learning Projects
 - **Duties:** Babbage Analytical Engine for the University's Admissions Office
- **Founder** (May 2019 – August 2020) Cake Technology: <https://www.caketech.com>
- **Software Engineer I** (February 2021, December 2021) Area-I: <https://www.areai.com>
 - **Duties:** Embedded Application Software Development
- **Software Engineer II** (current) Area-I: <https://www.areai.com>
 - **Duties:**
 - Hardware Integration Team Lead
 - System & Library Software Design
 - Hardware Integrations

CURRENT PROJECTS AND INTERESTS:

- Patent Pending Inventor
- Robotics and Embedded Systems, Current Project: Autonomous Landscaping Robot
 - <https://carsonhake.dev/cake.html>
- Learning Deep Learning & Machine Learning Theory
- Personal Website: <https://carsonhake.dev/>
- 3D Design, 3D Printing, Metal fabrication, Soldering
- C++ and Python Algorithms, Data structures, Templates, and Secure Software Design
- Linux Hardening & Network Security
- DIY Home Automation

EDUCATION:

- 9/2012-5/2014: High School Diploma, New Albany High School
 - Notable Course Work: Robotics, Introduction to Programming
- 9/2014-5/2019: Bachelor of Science in Computer Science, University of Delaware
 - Notable Course Work: Introduction to Computer Science, Introduction to Computer Science II, Data Structures, Web Application Security, Computer Forensics, Machine Organization and Assembly Language Logic & Programming, Operating Systems, Advanced Software Engineering, Secure Software Design (C++), Automata Theory, Computer Networks, Computer Ethics, VIP Program, System Hardening and Protection, Calculus 1 & 2, Discrete Mathematics, Statistical Methods
 - Minor in Cyber Security, Concentration in Automation