

Steven Nyeo

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<https://github.com/limpingstone/> | <https://www.limpingstone.com>

EDUCATION

Case Western Reserve University Cleveland, OH
Master of Science – Computer Engineering March 2019 – December 2021

- Research Focus in Embedded Systems and Dedicated Short Range Communications (DSRC)

Case Western Reserve University Cleveland, OH
Bachelor of Science – Computer Engineering August 2017 – May 2021
GPA: 3.84 /4.00

RELEVANT EXPERIENCE

SaucyBytes LLC Cleveland, OH
Embedded Software Engineer March 2020 – December 2020

- Developed eLinux production firmware drivers for ARS 408-21 radar and MTK3339 GPS module
- Researched protocols with USB/IP functionality to enable remote eLinux and microcontroller development
- Utilized Buildroot to create and customize firmware images for eLinux development on collision avoidance system
- Lead the UI design team to produce widget icons for the LVGL-powered embedded GUI

Case Western Reserve University Cleveland, OH
Undergraduate Teaching Assistant September 2019 – May 2021

- Performed in-class demonstrations to aid students in troubleshooting and completing assignment objectives
- Guided students to use the OpenCV library to build a Raspberry Pi-powered video surveillance system
- Installed webcams and VNC in the lab to introduce remote developing environment under social-distancing guidelines
- Directed inventory management procedures to maintain an uninterrupted learning environment for the students

Case Western Reserve University Cleveland, OH
Weatherhead ITG Web Assistant April 2018 – May 2021

- Managed a mailing list to efficiently update website information for the Weatherhead School of Management
- Reconstructed XML templates and XSLT transformation scripts to automate page creation in multiple site locations
- Developed APIs in C# to migrate the server to Microsoft ASP.NET saving the department \$60,000 in hiring expenses
- Maintained current and accurate codebase documentation on Github to facilitate transition to future student employees

LEADERSHIP & INVOLVEMENT

BeePlusTree.com Broomfield, CO
Founder, Lead Application Developer November 2020 – Present

- Develops websites for restaurants and retail stores to promote web presence leading to higher sales volume
- Tutors high school students Java to consolidate AP Computer Science knowledge into practical programming skills

Math Corps Cleveland Cleveland, OH
Volunteer College Instructor December 2019 – March 2020

- Enhanced middle school students' problem-solving skills from a quantified average score of 9.8 to 13.3
- Boosted the ACT math scores of rising college students from an average of 24.1 to 28.6 in two months

SPECIALIZED SKILLS

- **Programming Languages:** C, C++, C#, Java, Python 3, VHDL, x86 assembly
- **Programming Tools:** Git CLI, GDB, FTDI, Buildroot
- **Operating Systems:** Linux (Slackware, Gentoo, Debian), bash scripting, udev, systemd
- **System Platforms:** STM32, SAMA5D3x, ESP32, AVR, Armbian
- **Spoken Languages:** Native Mandarin Chinese, Native English speaker, B1-level German