

Cyril “Nick” Engmann

<https://www.nickengmann.com> • 214-316-0638 • cyengmann@gmail.com

EDUCATION

-
- The University of Texas at Austin - Bachelor of Science, Electrical Engineering May 2016
Track: Integrated Circuits & Embedded Systems
Minor: Government
- The University of Texas System – Bill Archer Fellow Spring 2016
Competitively selected for a semester-long Washington, D.C., internship and academic fellowship program
- Universidad de Cantabria – Study Abroad Summer 2014

PROFESSIONAL EXPERIENCE

-
- Space and Naval Warfare Systems Command (SPAWAR) – Engineer** July 2017 – Present
- Architecting a solution to upgrade the communications platform to support the JAUS protocol on the TALON, Explosive Ordnance Disposal Robot, using external embedded devices
 - Wrote a radio command API with 12 different function calls which interfaces with an embedded modular radio
 - Architecting a routing system for both radio packets and JAUS messages on a custom PCB running Yocto Linux
 - Developing a React web application to host information on various Cybersecurity tools and return on investment associated with those tools
- Quod Certamine – Founder** June 2016 – June 2017
- Founded a small business to provide technical solutions for startups and small businesses. Clients include:
- CURB – Software/Hardware Engineer:**
- Developed testing programs to manage software provisioning for their manufacturing facility in Dallas Texas that produces over 1,000 units a month
 - Engineered a testing environment to produce accurate calibration values for high precision current transformers
 - Developed an Amazon Alexa Application utilizing their technology to enable verbal interaction
- FirstStepIn – Full Stack Engineer + Project Manager:**
- Backend and Frontend developer for the nonprofit “First Step In”, a website to assist refugees in Austin Texas. Proof of Concept: <https://firststepin.herokuapp.com/>
 - Lead a team of 5 developers, in both design and implementation
- Energos21 – Full Stack Engineer:**
- Utilized PHP, Python, JavaScript, HTML/CSS, and GIMP to develop a dynamic energy blog
- Center for Strategic International Studies (CSIS) – Policy Researcher** January 2016 – May 2016
- Contributed to research projects involving encryption, data localization, data retention, data privacy, ad blocking and remote sensing technologies
 - Co-authored a piece with a Senior Fellow about Apple’s compliance with China concerning encryption

PROJECTS

-
- Nerf Alexa Home Defense Turret – Hardware/Python/OpenCV <http://bit.ly/nerf-turret>
- Fun project for the Alexa Smart Home Challenge (2018). Uses OpenCV and a two-motor gimbal to find people and shoot them with the Nerf Vulcan

CIVIC ENGAGEMENT (LEADERSHIP)

-
- Major League Hacking – *Coach* November 2015 – Present
- Help student hackathon organizers from across the country run their hackathons while representing Major League Hacking, the official student hackathon league
 - Help students debug code and learn how to operate new hardware/software packages

PROFESSIONAL SKILLS

Programming Languages (in order of familiarity): Python, JavaScript, C/C++, Java, HTML/CSS, MATLAB, PHP, VBA
Computer: Linux, React, Angular, Android Studio, Git, Visual Studio, AutoCAD, LabVIEW Keil, Microsoft Suite