Spencer Kulbacki

BS Electrical Engineering Technology • RIT class of 2019

Computer Science House Member & 3D Printer Admin 2014-Present

Seeking a 2017 Summer Co-op

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www.linkedin.com/in/skulbacki • kulbacki.org

Languages ....Arduino C • C++ • VHDL • HTML/CSS

Software ....Word • Excel • PowerPoint • KiCAD • Eagle • Express PCB • Git • Arduino IDE
Visual Studio • Multisim • Quartus II • Photoshop • Arch Linux • Lightroom
Blender • Autodesk Inventor • MS Access • Sony Vegas • Audacity

Related Classes ....Electronics 1 & 2 • Digital Systems Design • AC/DC Circuits • Microcontroller Systems
Computational Problem Solving • Digital Fundamentals • Signals, Systems & Transforms

PERSONAL PROJECTS

Custom Arduino with Bluetooth and RGBW LED strip control
Designed and produced an Arduino clone featuring an Atmel 328pb, Bluetooth, & power MOSFETS for LED strip control.

Designed & Constructed a Working Traffic Light Halloween Costume
Three individual cycling panels, each 14 dimmable LEDs in parallel powered by Arduino via motor shield & battery.

Created Personal website
Wrote HTML framework. Self-taught HTML/CSS and HTML 5 syntax.

3D Modelling of MG Midget
Created a 3D model of a 1974 MG Midget using Blender modelling software. View: https://goo.gl/4YOPgz

EMPLOYMENT

Hardware Design / Embedded Systems Engineering Intern   Summer 2016
THIMBLE.IO • FOUNDER & CTO, DAVID BRENNER • *david@thimble.io*

Educational Arduino kits; Product design, PCB prototyping, testing, debugging, and technical writing; Git, Arch Linux.

IT Service Desk Representative   August 2014 – May 2016
ROCHESTER INSTITUTE OF TECHNOLOGY • SUPERVISOR, SCOTT WILLIAMS • *scw00678@gmail.com*

Troubleshoot hardware and software issues via phone, email and walk-up interaction for students, faculty, and alumni.

Administrative Clerk/Database Technician   Summer 2014 • Summer 2015
TOWN OF HANOVER NH • SUPERVISOR, GARY SEARLES

Assembled database to digitally archive documents, user-friendly data entry and search interface. Wrote user manual.

Indie Movie Sound Mixer   September 2013 – June 2015
OKKERVIL RIVER BAND • DIRECTOR, WILL SCHEFF

On site sound recording and technical support; using ZoomH4n Recorder, Sure Boom mic, various amps and mixers.

Kimball Union Academy High School STEM & Technical Theater   August 2010 – May 2015
KIMBALL UNION ACADEMY • ADVISOR, DR. THOMAS PASQUINI, PHD; ADVISOR, MR. STEVEN ROGERS

Chief engineer VEX robotics team. Constructed Ultimaker 3D Printer; laser cutter knowledgeable. Performance technician, set construction, light installations, cueing, ETC ION Express lighting control panel, and CAD.