



Spencer Kulbacki

RIT class of 2018-19 • Computer Science House

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LanguagesArduino C • C++ • HTML/CSS

SoftwareWord • Excel • PowerPoint • Eagle • Express PCB • Visual Studio • Multisim • Quartus II • Photoshop • Lightroom • Blender • Autodesk Inventor • MS Access • Rainmeter • Audacity • Sony Vegas

Related ClassesElectronics I • AC Circuits • DC Circuits • Microcontroller Systems • Computational Problem Solving • Digital Fundamentals • Intro to Robotics • Intro to Programming

PERSONAL PROJECTS

Custom PCB for Bluetooth RGBW LED strip controller

Designed 3in² PCB that connects an Arduino Pro mini, Bluetooth, Z44N MOSFETs, and 7805 voltage regulator.

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: <http://goo.gl/8eOF83>

Computer & Technology Service

Maintenance, repair and support. Designed and built complete systems and a cat6 Ethernet wireless home network.

EMPLOYMENT

IT Service Desk Representative August 2014 – present

ROCHESTER INSTITUTE OF TECHNOLOGY • SUPERVISOR, SCOTT WILLIAMS

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

Administrative Clerk/Database Technician July 2014 – August 2015

TOWN OF HANOVER NH • SUPERVISOR, GARY SEARLES

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

Indie Movie Sound Mixer September 2013 – June 2015

OKKERVILLE RIVER BAND • DIRECTOR, WILL SCHEFF

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

Kimball Union Academy High School STEM Team August 2010 – May 2015

KIMBALL UNION ACADEMY • ADVISOR, DR. THOMAS PASQUINI, PHD

Chief engineer for VEX robot team. Constructed Ultimaker 3D Printer and LED system. Laser Cutter knowledgeable.

KUA Technical Theater August 2010 – May 2015

KIMBALL UNION ACADEMY • ADVISOR, MR. STEVEN ROGERS

Performance technician, light installations, cueing, ETC ION Express lighting control panel, and CAD.