

## Contact

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(LinkedIn)

## Top Skills

C  
Embedded Systems  
System Architecture

## Languages

Portuguese (Limited Working)  
English (Native or Bilingual)  
Spanish (Limited Working)

## Certifications

R Programming  
The Data Scientist's Toolbox  
Materials Science: 10 Things Every  
Engineer Should Know

## Patents

System, device, and method of multi-  
path wireless communication

# Bradley Totaro

Electrical / Embedded Systems Engineer | Audio Video Lighting  
Tech  
Sussex

## Summary

Experienced developer with a demonstrated history of working in the consumer electronics industry. Skilled in C, Linux System Administration, Embedded Linux, JavaScript, and HTML. Teacher of PCB design and electrical engineering. Strong media and communication professional.

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## Experience

### Brad Totaro

#### Self Employed

July 2014 - Present (6 years 5 months)

New Jersey, United States

Develop Hardware, printed circuit boards, firmware, assembly, and sourcing. Firmware, working with MIPS, Atmel AVR , PIC and STM microcontrollers/processors.

Web development, Frontend , Backend, Database.

Server Administration, setting up common and uncommon services, providing consultation on best architecture, code and security practices.

### Mark Cantore LLC

#### Audio Technician

May 2016 - Present (4 years 7 months)

Greater New York City Area

Setting up audio equipment for corporate events and weddings.

Repairs of audio equipment.

Assisting in managing a team.

Mixing house sound and monitors.

### Designs By Monica

#### Assembly and Repair Specialist

April 2020 - July 2020 (4 months)

Hamburg, New Jersey, United States

Assemble and optimize assembly of furniture and lighting fixtures.

Repair broken tools, furniture, and electronics.

Assisting in removing furniture, and replacing furniture in a hotel.

## Olibra

### Embedded Systems Engineer

October 2017 - July 2019 (1 year 10 months)

Cresskill, New Jersey

Wrote C for micro-controllers.

Verified hardware power and signal integrity for integrating products.

Produce efficient code and hardware configurations.

Firmware programming for existing embedded systems using ANSI C

Investigate and fix issues in existing firmware and hardware.

Develop test scripts as needed using python.

Work closely with Quality Engineers to ensure quality of firmware/hardware prior to release.

Work with Hardware Engineers to improve and troubleshoot hardware.

## Gotham Analytics LLC

### Full-stack Engineer

July 2014 - October 2017 (3 years 4 months)

Englewood, NJ

Backend development in PHP, MYSQL, MongoDB, Cassandra, Spark, Java and Python.

Frontend development in HTML, CSS, JS, Bootstrap, Pure, PHP.

Linux server administration, Cassandra, MongoDB, MySQL, Redis, Apache, Nginx, proFTPd server administration.

Networking.

Communications and Protocol Design.

Big Data Analysis in R and Python.

Embedded Development in C and Assembly for Atmel and STM32.

Analog / Digital Electrical Engineering.

PCB Design and Assembly.

Process Automation.

## Vernon Township Board of Education

### Summer Tech Employee

July 2013 - September 2013 (3 months)

## Vernon Township Board of Education

### Summer Tech Employee

July 2012 - September 2012 (3 months)

Setup computers throughout the school district , and imaged them using WDS.

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## Education

Vernon Township High School

· (2010 - 2014)