**Devlin Paddock**

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**EDUCATION**

**Associate in Science: Major in Computer Engineering Technology** May 2019

NHTI – Concord’s Community College

**Relevant Courses Completed:**

Database Design and Management, Data Structures, Networking and Internet Technologies, Programming with C++, Introduction to Networks, Digital Fundamentals, Embedded Microsystems, Computer Real Time Interfacing, Data Communications and Internetworking, and Integrated Circuits and Interfacing.

**SKILLS**

* Ubuntu Server web hosting
* Windows Server 2012 & 2016
* Dell PowerEdge hardware experience
* ADO.NET and ASP.NET/ASP.NET Core
* Relational database design
* SQL using MariaDB, and SQL Server
* Procedural Programming with C++
* Xamarin Forms Development
* ActiveMQ configuration and day to day experience
* Lean and Six Sigma methodologies.
* Object Oriented Programming with C++, C#, and Java
* Html5 Experience
* Visual Studio.Net (C++ and C#)
* Assembly Language Programming
* PLC LAD, SCL, and STL programming
* Designing passive, and active component circuits.
* Camstar MES Interfacing

**EMPLOYMENT EXPERIENCE**

**Osram** • 275 West Main Street, Hillsboro, NH May 2019 – August 2019

*Engineering Intern*

* Developed a program to expand existing production line capability and enabling reporting to a centralized data system using MQTT.
* Coordinated efforts in a group setting across multiple projects all centralized around improving manufacturing capabilities and Camstar support.
* Researched and compared different hardware and software solutions to use as the base for the project. Presented my findings to the plant manager along with my suggestion as to which product made the most sense for a local, and global solution.
* Created a .net service to manage the PLC applications and abstract away many data interfaces into one MQTT connection.
* Designed and developed a communication standard to be used both for this project and all future projects that need reporting to the Camstar MES system from communication standards not supported by Camstar.

**AFL Global** 59 Lowes way, Lowell, MA January 2019 – May 2019

*Software Development Intern*

* Developed additions to their AeRos mobile testing equipment to compare two fiber line ends between cleaning and evaluate whether it passed set standards, and to improve general usability of the app.
* Coordinated efforts in an Agile environment to quickly respond to bug reports.
* Optimized existing XAML Pages for their AeRos product.

**COMPUTER PROJECTS**

* Computer/Server building and maintenance
* Home network administration
* Rework of a C++ automated drill press to create non blocking code for smoother action and custom IC size drilling.
* Webhosting with Html5.
  + DevlinPaddock.online
* Mobile Development with Xamarin Forms
  + Idle Swarm on Google Play
* Hardware repurposing, through physical repurposing, or software repurposing ( looking at using Elixer to create a laptop bot net to assist my server).
* Apache and IIS Hosting experience on Linux and windows servers respectively.