

# David Michaels

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## **EXPERIENCE**

**Signal-Tech**, Erie, Pennsylvania

*Software Developer*, May 2019 – June 2023

- Development work on an Intranet application built with PHP, Javascript, MySQL, Apache and SVN. This application serves as the ERP for the company. It has functionality for orders, purchasing, accounting, inventory tracking, sign production, etc.
  - Added back-end support for online credit card payment through the Signal-Tech website. It automatically synchronizes payments made on the public website and associates them with an order in the ERP system.
  - Updated the application from PHP version 7.4 to 8.1. And fixed all deprecated functionality.
  - Created pages for scheduling employees on certain days of the week at stations on the production floor.
  - Created feature for automatic scheduling of purchase orders. Created a cron job that inserts a new purchase order record ready for review by the purchasing department.
  - Added a chat feature to the web application. Made use of WebSockets for opening a connection to a running PHP service that managed all the connections and distributed the messages to all clients. An AJAX chat class handled sending/receiving messages on the client side.
  - Converted all AJAX from plain JavaScript to jQuery to consolidate all the requests in the codebase.
  - Migrated data from an acquired company's database into Signal-Tech's database. Created a mapping from their fields to Signal-Tech table fields. This was done for around 100 tables.
- Updated the user interface of a .NET application used to control signs. Added new fonts to the application and created a separate drop-down selection for anti-aliased fonts.

**Maxback.com**, Erie, Pennsylvania

*E-Commerce Specialist*, Dec. 2016 – August 2018

- Helped create an e-commerce site using Shopify. Added products, graphics, and copy.

## **EDUCATION**

**Edinboro University of Pennsylvania**, Edinboro, PA

**B.S. Computer Science**, Minor in Applied Mathematics: Graduated 2019

## **SKILLS**

- PHP, JavaScript, SQL, C#, HTML, CSS, C++, Windows, Linux, MySQL, SVN