**Matthew Crichton**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Technical Toolbox**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Python**: Django, pandas, regular expressions, Test Driven Development

**Other languages**: Java, C#, C++

**Html/CSS**: javascript, jQuery, AJAX, JSON, Bootstrap, D3

**Databases**: PostgreSQL, Sqlite3, MySQL

**Projects**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Inspirave**

* Continued the development of a Java based Savings aggregation platform
* Integrated ElasticSearch into the platform for faster and more accurate searches
* Integrated BBvA into the Java based project to automatically build savings accounts for the users

**Punch Clocker**

Web Platform for Scheduling Hours

* Built with the Django framework on top of PostgreSQL in Python.
* Designed for use by Byte Consulting to manage the hours of its part-time employees

**Calendar/Day Planner**

* SQL based Calendar and day planner built with C#

**Bioinformatics Database**

* Python based SQL system designed to store genome sequences and perform basic operations on them

**Experience**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Legendary Realms Production**

Lindenhurst, NY June 2018 – Present

* Aid in the development of the Supershow Card game App, a Unity based port of the collectible card game

**ProgramWithUs Instructor**

New York City, NY, October 2017 – July 2018

* Teach students the basics of software development and Python
* Assisted in the development of a comprehensive curriculum

**Inspirave-Lead Developer Internship**

New York City, NY, December 2016 – September 2017

* Drive the development of the Inspirave website and application with Java, Spring, and Wordpress
* Developed a development strategy for Inspirave, a South by Southwest Accelerator Finalist

**Byte Academy-Teacher Assistant**

New York City, NY, January 2016 – November 2016

* Conducted one on one and group tutoring of students in Python, SQL, and HTML/CSS
* Assist in development of Python based applications for Byte Academy

**DMC Security, Inc.**

Lindenhurst, NY, June 2014 – October 2015, June 2016 – Present

* Assist in the installation of security systems
* Work with the master installers on a variety of low voltage wiring applications, such as audio/visual systems, data cabling, and phone systems

**Education**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Byte Academy** – New York

12-week 480 hour intensive program teaching full-stack web development around the Django framework, Python, HTML, and CSS

**Dowling College** – Oakdale, NY – May 2014

Bachelor of Science in Natural Sci­ence and Math*,* Minors in Computer Science and Biology

Computer Science minor included: Java, C#, Python, and C++