**Bjørn Mathisen**

## 224-622-8543 ◆ thebcm27@gmail.com

I am a Computer Science graduate who has worked in several roles including a software developer, data analyst and a service technician. My previous roles have had me designing software using Python and C# to organize data, handle asynchronous server connections and develop multithreaded applications using a variety of tools and operating systems. I’ve used distros such as Ubuntu, Arch, Mint and Fedora in the development of web servers, databases and Dev Ops hosted on private servers or AWS/Digital Ocean. I’ve used other programming languages such C++ and Java to do data cleansing, terrain generation, WebSocket servers and CUDA compilations. In my experience, I have often been thrust into new environments where I have been required to learn programming languages and other technical tasks quickly and efficiently.

**Primary Languages (3 years+):** Python, C#, .Net, C, C++, SQL

**Familiar with (1-2 years)**: Java, MongoDB, JavaScript, PHP, HTML/CSS, Bash

**Some Familiarity**: LISP, Ruby on Rails, Modula-2, 32-bit Assembly, R, Perl

**Tools & Development Methods**: Visual Studio, Git, MVC/MVVM, Unit Testing, Agile Development, Docker, AWS, XML, JSON, XML, WPF

**Certifications**: Comp TIA A+, EMT (IL License 2014-2018)

**Education:** B.S in Computer Science, Principia College 2014-2019

* Wrote a Windows Form in C#/.Net client with a SQL database for school clubs to handle budgeting and administrative needs all hosted on a remote Ubuntu server.
* Wrote a compiler using C#/.Netto compile Modula-2 code into MASM32 assembly.
* Developed a cross-platform desktop chatting application using a custom-made Python UDP server hosted on Ubuntu and accompanying Python GUI capable of handling 65 thousand active connections.
* Debugged programs to strict specifications using unit testing in Java, C++, PHP and C#/.Net for various tasks.
* Worked with a student lead team to construct an 8-bit computer from chips and circuits with custom OP-codes while I lead the EPROM programming team.
* Developed a Python battleship boardgame clone using sprite graphics and PyGame with high scores hosted on a SQL database on a Linux Fedora environment.

**Experience**

**Micro Center**

IT & 1st Tier Support Technician

November 2019 – Present

* Used inhouse issue/customer tracking software to manage inventory, replacements parts and customer repairs.
* Troubleshot network connectivity issues relating to firewalls, software and hardware issues.
* Used command line tools for all troubleshooting in PowerShell, Bash and Linux.

**Martina Carter**

Website Programmer

August 2019 – December 2019 - Contract

* Worked directly with client to design and build a HTML/CSS and PHP custom website
* Designed webpages with JavaScript, HTML and Bootstrap to display customer data.

**Zerma**

Data Analyst/Python Programmer

February 2019 – May 2019 - Contract

* Worked independently to analyze the data organizational problem and independently came up with a viable solution to solve the company’s data storage needs.
* Wrote a Python web crawler using public libraries to extract customer information and format it in XML format.
* Created a RDBMS database hosted on AWS and wrote SQL queries to join and merge the data.
* Used advanced database techniques to remove 100% of the inaccurate information, trimming down the data size from 45k to 17k usable data points.
* Used Microsoft Access, a database integration software, to create a non-technical interactive way for clients to view the data for improved workflow.