Bjørn Mathisen

224-622-8543 ◆ *thebcm27@gmail.com*

I am a recent 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. 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: Python, C#, .Net, C, C++, SQL
Familiar with: Java, MongoDB, JavaScript, PHP, HTML/CSS
Some Familiarity: LISP, Ruby on Rails, Modula-2, 32-bit Assembly, R, Perl

Tools & Development Methods: Visual Studio, Git, Linux Distros, MVC, 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.
- Wrote a compiler using C#/.Net to compile Modula-2 code into MASM32 assembly.
- Developed a cross-platform desktop chatting application using a custom-made Python UDP server 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.
- Worked with a team to construct an 8-bit computer from chips and circuits with custom OP-codes.
- Developed a Python battleship boardgame clone using sprite graphics and PyGame.

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 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.