

Patrick E. Scotland

Baltimore, MD 21237

pscotl1@students.towson.edu

Profile

Soon-to-be Computer Science graduate with a passion for technology. High-energy professional with a commitment to growing subject knowledge and workplace competencies through continued research and training. Looking for a Software Developer role where I can grow and learn from experienced team members while drawing on project experience I have successfully executed.

Education

May 2023

B.S. Computer Science, Towson University

Related Coursework: Computer Organization and Architecture, Advanced Data Structures and Algorithm Analysis, Object Oriented Design, Mobile Application Development, Database Management Systems

May 2021

A.S. Computer Science, Community College of Baltimore

Related Coursework: Intro to Data Structures and Algorithm Design, Object Oriented Programming

Projects

Weather App

- Built a Java application to retrieve and display the current weather forecast for Baltimore, MD
- Used a RESTful Weather API to load weather forecast data that was formatted in JSON
- Parsed JSON data to retrieve current date and time, location, high and low temperature

Skills: Java, UI design, API access

Stock Price Tracker

- Built an application using Python that retrieved and displayed the stock prices of ten companies
- Read list of companies' tickers from .txt file, then scraped Yahoo! Finance's webpage using BeautifulSoup library to retrieve data
- Created a pandas dataframe to display ticker, company name, current stock price and time, stock price at close previous day and percent difference

Skills: Python, UI Design

Bookstore Database

- Built a management system using MySQL for local bookstore that allowed easy access to crucial inventory and employee information
- Created admin function which improved internal operating efficiency by over 30%
- Built website using HTML/CSS for easy user-friendly interaction

Skills: MySQL, HTML/CSS

Skills

• Java • C++ • Python • HTML/CSS • MySQL

Certificates

Walmart Global Tech - Virtual Experience Program Participant

July 2022

Participated in the open access Walmart Global Tech Virtual Experience Program with Forage.

Tasks Completed:

- Implemented a max heap using Java
- Drafted a UML class diagram describing a data pipeline and an ERD for a normalized relational database
- Forked and cloned a repository on Github, used Python to read and extract relevant information then insert it into a SQLite database

Work Experience

August 2014 – September 2021

Export Documentation Specialist, CH Powell Company

- Tested new software the company was implementing, became the go to person for troubleshooting and finding innovative work arounds

March 2013 – August 2014

Administrative Assistant, First Team Staffing Services

- Organized and prioritized daily work process based on order of importance to meet requirements and performance expectations

December 2009 – August 2012

Settlement Agent, National Real Estate Information Services

- Maintained professional and technical knowledge by attending educational seminars on a bi-annual bases

July 2006 – November 2009

Sales Associate / Store Manager, Footlocker

- Trained and collaborated with a team of six to cultivate strong relationships with customers to build business and customer loyalty increasing year end revenues by 8%