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**Charles Bangert**

**EDUCATION:**

***University of Maryland | College Park, MD Graduated: May 2020***

B.S in Computer Science and a Minor in Technology Entrepreneurship

* Hinman CEOs Program: 2-year Living-Learning program intended to develop business leadership skills, particularly dealing with startups
* Public Leadership Scholars Citation: 2-year program aimed at developing leadership/project management skills, along with Public Policy coursework. Culminated in a capstone: led a small oyster restoration project
* Dean’s List Spring 2019, Spring 2020

**PROFESSIONAL EXPERIENCE:**

***M&T Bank | Remote/Wilmington, DE Summer 2020-present***

TDP Software Engineer

* Worked closely with product owner to architect and implement a Risk Scoring application (Python, Flask, SQL Server, C# and .NET) to assign numerical risk scores to outgoing wire transactions. This is designed to assist the business in mitigating loss due to fraud. Eventually this score may be used to reconfigure the entire wire routing/approval process
* Migrated source code to Gitlab from TFS and led CI/CD initiative for AGILE team
* Managed administrative responsibilities for rotational program, specifically dealing with campus recruiting and reworking the 2nd round technical interviews to use Codility

***GP Strategies/John Deere | Columbia, Maryland Summer 2019***

Contract Software Engineer

* Charged with developing and maintaining the Integration Test suite (Java with Spring libraries, Gherkin) for the John Deere Custom Performance (JDCP) platform. These tests are currently in use on the software in every John Deere factory and dealerships around the world.

***Adapt OS | Remote (Startup) Spring 2019***

Software Engineer

* Implemented a proprietary lossless compression algorithm in C++ utilizing artificial intelligence, competed for the [Hutter Prize](https://en.wikipedia.org/wiki/Hutter_Prize)

***Triangle Experience Group | Arlington, Virginia*** ***Summer 2018***

Software Engineering Intern

* Implemented mitigations in the source code (in C) for vulnerabilities exposed by the HP Fortify scan. Achieved ahead of schedule and within the first month of my start date. This solution is currently deployed at JSOC, the Pentagon, J6, etc.

**TECHNICAL SKILLS:**

***Programming Languages***

* Java, Python, C, Ruby, Javascript, SQL, C#, MATLAB, C++, HTML, CSS, R

***Frameworks, Tools and Technologies:***

* .NET, SQL Server, Flask, Spring, Linux/Unix Operating Systems, IBM DB2, MongoDB, Gherkin, Ruby on Rails, Git, Node.js, Express.js, Android SDK

***Other Skills***

* Extensive coursework in Machine Learning, Computer Vision, and Bioinformatic Algorithms
* Proficient with REST API’s
* Experience with Web Scraping, Data Tidying, Modeling, and Analysis
* Strong command of Object-Oriented Programming and Design principals
* Currently learning about Docker, Kubernetes, and OpenShift on Pluralsight

**LEADERSHIP EXPERIENCE:   
*Treasurer, IJM UMD* *November 2018 – Fall 2019***

* Responsible for helping plan and ensure funding for events to combat human trafficking locally within Prince George’s County and internationally