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| Tyler Hooks | [tph1994@gmail.com](mailto:tph1994@gmail.com) |
| 478-299-4259 |
| Statesboro, GA 30460 |
| <http://ideation.pw> |

**Skills**

**Languages:** Python 3.6 | MySQL | Transact-SQL | PHP | Java | C++ | HTML | CSS | regular expressions

**Tools and Software**: Microsoft Excel | Microsoft SQL Server | Microsoft SQL Server Data Tools | MongoDB | Microsoft Access | Entity-Relationship Diagrams | Microsoft Word | SDLC | phpMyAdmin

**Operating Systems**: Windows 7, 8, 10, and Server | Debian | MacOS | iOS | Kali Linux

**Personal**: Inquisitive | Autodidactic | Meticulous | Tenacious | Analytical

**Projects**

**Data Analytics**

* Created a NoSQL database to store network log files using MongoDB and analyzed network activity using Spark and Hive.
* Scraped apartment listings on *Zillow* using BeautifulSoup, sanitized the data and appended it into a data frame, and exported the data frame into an Excel file using the pandas Python module.
* Used *Weather Underground*’s API and the Python requests module to import historical weather data into a data frame and used matplotlib to graph the data.
* Created a statistical Python module with functions such as stem-and-leaf plots, variance, combinatorics, and Pearson’s coefficient of correlation to supplement the current statistics module.

**Databases**

* Created a LAMP-based forum web application with a relational database that stored encrypted user credentials, files, logs, and discussion content.
* Created and fixed a vulnerable database for a presentation to demonstrate database security concepts such as SQL injections, brute forcing administrator credentials, and using selective exploits to gain unauthorized access and how to resolve these issues.
* Designed, created, and maintained a small ticket system for upcoming university events in Microsoft SQL Server.
* Created various relational databases using both graphical user interfaces and Transact-SQL in SSMS and performed predictive analytics using Microsoft SQL Analysis Services.

**Experience**

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| **Wise Computer Solutions** | Swainsboro, GA | Supervisor: Calvin Close |
| Data Analyst Intern (Summer 2018) |  | (478) 289-6607 |

* Prepared business intelligence reports and data graphs for clients using Microsoft Access, Microsoft Excel, and Microsoft SQL Server.
* Designed, created, and maintained databases and database applications using Microsoft SQL Server and Microsoft Access.
* Composed SQL queries to read, alter, and analyze databases.
* Used Entity-Relationship Diagrams and SQL queries to identify, troubleshoot, and ameliorate database issues, and provide data integrity and assurance for clients.
* Scraped and parsed various sources of data using Python and wrote scripts to cleanse and organize data, generate graphs, SQL queries, and Excel sheets, and connect to databases.
* Reverse engineered pre-existing databases and procedures in Microsoft SQL Server and created analysis tools and reports based on them.

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| **East Georgia State College** | Swainsboro, GA | Supervisor: Leontine Leeder |
| English and Mathematics Tutor (September 2015 – December 2015) |  | (478) 289-2377 |

* Interacted with students and worked to assess their individual needs.
* Assisted students in writing, composition, and mathematics – including algebra, calculus, and statistics.
* Applied problem-solving methods and conveyed them to students in an articulate manner.
* Worked with other tutors to collaboratively evaluate and address student performance.

**Education**

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| **Georgia Southern University College of Engineering and Information Technology** | **Statesboro, GA** |
| Bachelor of Science in Information Technology | December 2018 |
| Specialization in Information Management | GPA: 3.86/4.0 |
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| **East Georgia State College** | **Swainsboro, GA** |
| Associate of Arts in Psychology, Associate of Arts in Sociology | December 2015 |
|  | Summa Cum Laude |
|  | GPA: 3.97/4.0 |

**Honors and Awards**

* President’s List, December 2012 – December 2015; May 2018
* Dean’s Merit List, December 2016 – December 2017
* HOPE Scholarship, Fall 2012 – Spring 2014
* Outstanding Scholar Award, Spring 2018