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| Birtchum Thompson  Tampa, FL - Birtchum@yahoo.com - 239-224-0209 |

Web Developer

Quick learning, tech savvy, and well-rounded developer with an aptitude for solving difficult problems, web development, technical support, IT security, network administration, and database design. Programming experience on Geographic Solutions’ Job Spider team with a consistent weekly dev stat ranking of #1 for over 8 months. Subsequently assigned to a special Educational Spider team and selected to join a team of 6 to provide systems support for GeoSol’s annual Workforce Technology Conference in Monterey, CA. Designed and developed web applications for Hillsborough Community College’s Culinary and Computer Science departments and created numerous open source web apps and APIs. A portfolio of my open source work can be found **here**.

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| **Languages** | Python, JavaScript, HTML, CSS, Bash, Regex, AJAX |
| **Frameworks** | Web: Flask, Front End: Materialize, Bootstrap 4, RESTful API |
| **Databases/ORM** | MySQL, MariaDB, SQLAlchemy |
| **AWS** | EC2, SES, S3, CloudFront |
| **Web** | Computers, Printers, Project Boards, Projectors, Servers |
| **Virtual Environment** | Anaconda, venv |
| **Production** | Server OS: Debian, Ubuntu, Web Server: Nginx, Init: Systemd |
| **Robotic Process Automation** | Kapow Design Studio, Regular Expressions |
| **IDEs/Other** | Visual Studio Code, Team Foundation Server, Git, Postman |

**Professional Experience**

Geographic Solutions 08/2018-Present

**Programmer** Palm Harbor, FL

* Use Kapow Design Studio, HTML, SQL queries, and other web technologies to design, develop, and maintain spidering applications used to spider labor and education data from external sites
* Ensure all bots meet full QA standards and consistently maintain a QA average several points above team average
* Perform revision and repairs on existing bots to increase operational efficiency and adapt to new web standards or department requirements
* Consult with technology department and management to clarify program intent and suggest changes like using web service calls and JSON data instead of website spidering

GeoSol Workforce Technology Conference 06/2019

**Systems Support** Monterey, CA

* Selected to provide systems support for conference of around 350 staff and attendees
* Prepared and configured 150 laptops and managed all hardware, software, video conferencing, and all other technologies used throughout the conference week

Hillsborough Community College, Computer Science Dept. 05/2017-08/2018

**Computer Lab Technician & AS Division Software Developer** Tampa, FL

* Designed and developed application for students to reserve CS Lab computers (program currently used by HCC to manage reservations)
* Designed and developed IT ticketing management system for AS Division to assign, track, and resolve tickets submitted by IT team and a student-user analytics application to calculate average lab time and determine peak lab traffic hours
* Designed and developed application currently in use by AS division to track and manage thousands of division assets
* Managed CS computer lab with 50+ Dell Workstations and 50+ HCC student daily
* Troubleshot, diagnosed, repaired, and performed full system reloads for HCC staff and students

**Education & Certifications**

Hillsborough Community College GPA: 4.0

**AS Computer Science** Graduating 2019

**Microsoft Technology Associate Certifications**

MTA: Intro to Programming Using Python

MTA: Security Fundamentals

MTA: Networking Fundamentals

MTA: Mobility and Device Fundamentals

MTA: Windows OS Fundamentals

MTA: Windows Server Administration Fundamentals