William Gladstone
Data Scientist, Engineer & Software Developer

A self-starter, quick learner and creative problem solver. Versatile skill set with 10+ years in software development, data science and systems architecture. 5+ years experience in client facing roles, sales, and both team and project management. Seeking to work in a collaborative environment tackling new and interesting applications of technology and data science where my diverse skill set can contribute to a project's rapid development.

CONTACT INFORMATION

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EDUCATION

Ph.D. Bioinformatics
Wesleyan University

B.A. Computer Science, Economics
Wesleyan University

WORK EXPERIENCE

Viome *(2022 - 2023)*

    Senior Data Engineer
- Refactored pipeline, tools, scripts and technology for scalability
- Rebuilt Illumina sequence processing pipeline to utilize Docker containers for horizontal scaling
- Implemented new non-invasive data architecture that allowed for current pipelines to operate as is while allowing for data partitioning and faster access to big data sets

Data & Technology Consultant *(2018 - 2022)*

    Santiment
- Data Architecture Consultant. Design system for ingestion of social media data and refactor current system to streamline data analysis for blockchain analytics product line

    Pitcher List
- Data Engineer. Improve data systems architecture and conduct data science research around modern era baseball statistics

    Teachers Pay Teachers
- Migrated search from Solr to Elasticsearch and implemented new auto suggest feature

    University Of Pittsburgh Dept. Of Chemical Engineering
- Feature improvements to molecular modeling software Avogadro
- React based plugin repository

    Cannataro Park Ave. Financial
- React based data visualization software
- Data architect for migration of client and financial data to new PostgreSQL/Graphql/Redis system

    Count It Labs
- Arduino prototype for data visualization meter
- Systems migration of Ruby Rails application

Alley Interactive *(2012 - 2018)*

    Digital Strategist & Product Owner
- Oversee multiple projects and manage budget, timeline, team members, and clients
- Determine technical approach executed by internal developer team
- Manage client relationships & internal development team using Scrum and Kanban

    Technical Account Executive
- Pursue leads and win new business
- Work with the sales team to provide accurate estimates and scope to clients
- Write proposals and statements of work for incoming leads and projects

◇ On board developer team when project transitions from sales to development
Lead Developer
◇ Lead developer for large scale and high traffic website and CMS projects
Software Developer
◇ Backend development of complex and large scale CMS websites

Data Engineer Consultant *(2011 - 2012)*
Irrive.com
◇ Provided technical expertise for migration of site data to AWS platform
Fame Theory LLC
◇ Redesigned, implemented and maintained new data architecture on AWS

Bock Interactive *(2006 - 2010)*
E-commerce Programmer, Systems & Database Administrator
◇ Maintained online perl-based shopping cart, inventory data, product pages, order records, and hardware for e-commerce

Wesleyan University *(2002 - 2006)*
Academic Computing Programmer - Information Technology Services
◇ Led team of developers that created teaching software for classroom environments
Systems/Database Administrator & Software Developer - Biology Department
◇ Developed and maintained a genomics database. Developed Web UIs for data interactions
Systems Administrator - Physics Department
◇ UNIX Administration at computational science lab

OPEN SOURCE CONTRIBUTIONS

Photonfill (*https://github.com/alleyinteractive/photonfill*)
Author of WordPress plugin Photonfill, a developer-focused plugin that allows for easy implementation of responsive images using picturefill while integrating the powerful free CDN of Jetpack Photon.
Turin Project (*https://github.com/turinproject/plugins-repository*)
Author of all-in-one scientific application plugin repository. Automation of adding Github open source plugins via graphql api calls with minimal maintenance.
TMSConnect (*https://github.com/alleyinteractive/tmsconnect*)
Author of the WordPress plugin. TMSConnect allows museums to synchronize the data stored in The Museum System by Gallery Systems and make collections available over the web using WordPress.

SKILLS

Data Science
MySQL
MS SQL Server
PostgreSQL
ClickHouse
Oracle
GraphQL
MongoDB
Redis
Machine Learning
Information Theory
Data Visualization

Programming
Python
Javascript
PHP
R
Ruby
Perl

Frameworks
WordPress
React
Gatsby
D3
Apollo

Systems Administration
Unix Administration
Shell Scripting
Docker
Vagrant
Git
AirFlow
Systems Scalability

Project Management
Scrum
Kaban
Jira
Trello