

William Brown

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EXPERIENCE

Signant Health, Blue Bell — *Software Engineer*

December 2019 - Present

- Works with clients and worldwide regulatory agencies to produce software solutions to assist in clinical trials
- Utilizes a proprietary Java framework to deploy, maintain, and update projects in multiple modalities such as Windows, Android, IOS, and web
- Has become a Subject Matter Expert for various internal processes and development for certain modalities
- Works in an agile environment with a higher standard of quality and rigorous testing methodology due to dealing with high client expectations, strict copyright laws, and worldwide regulatory agencies
- Utilizes Python scripting for the automation of the development workflow and configuration file testing
- Develops web based client facing reports utilizing SQL queries of clinical data stored in an Oracle SQL database
- Creates Java based Post Processors, based on client needs, converting raw clinical data to client facing SAS datasets
- Oversees training and onboarding of new employees in Signant Health workflows and procedures

Historical Society of Pennsylvania, Philadelphia — *IT Technician*

September 2017 - March 2018

- Oversaw the IT Department for the entire company, completing tasks such as updating, maintaining and fixing various laptops, computers, scanners and archival equipment
- Deployed and maintained various on-prem and cloud-based Ubuntu and Debian Linux servers
- Developed and updated multiple websites which hosted the company's digital archives, to be used internally as well as externally

Iperdesign, Philadelphia — *Front-End Web Developer*

September 2016 - March 2017

- Communicated directly with clients to produce websites up to their standards
- Designed and built websites in WordPress using Divi, a custom template engine, to be handed off to clients
- Created stand alone web components using HTML, CSS and Javascript to an existing client site

Independence Blue Cross, Philadelphia — *Front-End Web Developer*

September 2015 - March 2016

- Maintained various Wordpress websites hosted by the company
- Transferred existing websites over to Wordpress using debugging and reverse engineering
- Operated in an agile work environment, meeting weekly to go over accomplishments as well as future project

LANGUAGES / FRAMEWORKS

C, C++, C#, Java, HTML, Javascript, CSS, PHP, SQL, Lua, Python, Matlab, LaTeX, React.js, Angular.js, Vue.js, Unity, Godot, Unreal Engine

AWARDS

Philly Codefest Winner, 2019 – Developed a game in Unity 3D to teach basic programming concepts to children while spreading awareness about the pollution of our oceans.

Dragonhacks Winner 2017 – Developed an Android app that scans multiple food related barcodes and using an API suggests popular recipes including the foods scanned.

EDUCATION

Drexel University, Philadelphia — *BS in Computer Science*

September 2014 - June 2019

- Concentration in Game Programming and Computer Graphics
- Classes in web development, testing and object oriented programming