

# William Brown

Philadelphia, PA • (914) 310-3063 • [william.brown.coder@gmail.com](mailto:william.brown.coder@gmail.com)

## EXPERIENCE

### Senior Operations Software Engineer — *Signant Health, Blue Bell*

April 2024 - Present

- Oversees onboarding tasks and leads a team focused on new employee development, training them in Signant Health workflows and procedures
- Acts as a subject matter expert for two modalities, being the primary point of contact for information regarding them within the team
- Works with the contracts team to assist with client technical questions and develop timelines for future studies
- Is assigned primarily to complex customer projects, that typically have accelerated timelines leading to little margin for error

### Operations Software Engineer — *Signant Health, Blue Bell*

December 2019 - April 2024

- Works with pharmaceutical companies and worldwide regulatory agencies to produce software solutions to assist in globally run clinical trials
- Utilizes a proprietary **Java** framework to deploy, maintain, and update projects in multiple modalities such as **Windows**, **Android**, **IOS**, and **web**
- Works in an **agile** environment while maintaining a high standard of quality and rigorous testing methodology to adhere to strict copyright laws and worldwide regulatory agencies
- Utilizes **Python** scripting for the automation of the development pipeline 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

### IT Technician — *Historical Society of Pennsylvania, Philadelphia*

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 5 on-prem and 3 cloud-based **Ubuntu**, **Debian**, and **Windows** servers.
- Developed and updated more than 5 websites which hosted the company's digital archives, to be used internally as well as externally
- Sourced, employed, and improved **open source** archival software critical to the company's work.
- Utilized **Curl** scripting to debug and help maintain the Apache web servers hosting the company's digital archives

### Front-End Web Developer — *lperdesign, Philadelphia*

September 2016 - March 2017

- Communicated directly with clients to produce websites
- Worked with lawyers and health professionals to ensure the accuracy of the copy available to the end user
- 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**, **Javascript**, and **React.js** to be added to existing client sites

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

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 projects

## AWARDS

**GMTK Game Jam Top 100, 2024** - Developed a puzzle platformer set in a computer where you scale and move windows to complete levels. Utilized the **Godot** game engine and completed the project in under 96 hours. Placed 81st overall out of 7,616 entries. Can be played at [willbrowngd.itch.io/virtual-escape](https://willbrowngd.itch.io/virtual-escape)

**Philly Codefest Winner, 2019** - Developed a game, utilizing **C#**, **Unity 3D**, **Maya**, and **Photoshop**, to teach basic programming concepts to children while spreading awareness about the pollution of our oceans

**Dragonhacks Winner 2017** - Developed an Android app, utilizing **C++** and **Android Studio**, 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