

Gabriel Pierce

(385) 264-2053 | GabeBrPierce@gmail.com

COMPUTER SCIENTIST

Data Analytics | Computer Programming | Customer Service

Problem-solving software designer who creates user-friendly solutions to complex problems.

- ⇒ Understands computer science practices, methods, and techniques.
- ⇒ Follows specific directions to meet company or client's needs.
- ⇒ Knows computer design and programming software to complete design and analysis tasks.
- ⇒ Adapts to changing situations and proposes solutions to software problems.
- ⇒ Analyzes and interprets data to identify trends and patterns.
- ⇒ Recommends effective solutions that utilize computer science principles.

SQL | Python | C# | JavaScript | Microsoft Office Suite | Excel | ASP.NET MVC | jQuery
.Net | XML | HTML | REST | Visual Studio | MS SQL Server | MySQL | Unity
Agile Methodology | Google Suite | PHP | SCRUM | Visual Studio | Visual Studio Code
React Native | Docker | Kubernetes | Java | Git | Windows 10 | Windows 11
MySQL | MongoDB | API Development | Entity Framework | Azure DevSecOps

Experience

JAAW, Hill AFB, UT

10/2022 – 8/2023

Software Developer

Re-engineered a tactical warfare simulation system. Developed a strong understanding of Agile Scrum methodologies. Successfully delivered high-quality deliverables to clients.

- Wrote more than 45,000+ lines of code in C#.
- Trained 15 or more new hires and interns.
- Populated, and maintained more than 45 C# project files.
- Re-engineered a tactical warfare simulation system from the ground up, using state-of-the-art technologies and software system packages, resulting in a 75% increase in speed and a 10% decrease in errors.
- Worked within an Agile Scrum environment to deliver high-quality deliverables that met the client's needs, on time and within budget.

- Wrote unit tests to cover all scenarios and ensure functionality throughout development, resulting in a 99.8% defect-free code base.

UWNU, Ogden, UT

12/2019 – 06/2023

Software Developer | Data Analyst

Built software solutions for businesses such as websites and spreadsheets. Designed reports and summaries for business growth for government reporting. Designed reports for employees to fill out. Created spreadsheets or software to summarize information for governmental reporting.

- Developed processes for corporations to access and analyze information, saving clients an average of 10 hours per week.
- Generated improved and streamlined information tracking systems, increasing efficiency by 20%.
- Customized approach to clients' needs, resulting in a 95% satisfaction rate.
- Resolved gaps between company provided data and required data, accounting for 70% of the previous year's lost data.
- Created processes and forms to ensure proper data input, reducing errors by 65%.

AgovX, Hill AFB, UT

11/2021 – 9/2022

Courseware Developer

Designed, planned, and organized training programs (courseware) for customers at CMXG. Created courseware and knowledge capture for on-the-job and computer-based training. Reviewed and improved previously developed courseware.

- Sorted, organized, and performed 1,500+ tasks and actions utilizing computer software in a timely and efficient manner.
- Coordinated completion of project by following procedures and gated processes including minor phases and actions as part of larger processes, resulting in a 95% success rate for projects completed on time and within budget.
- Filtered and analyzed 15,000+ rows of data using SQL, Excel, and Python to identify trends and patterns that helped clients make better decisions.
- Spearheaded development of tracking software utilizing C# and MySQL and interfaced with other storage systems to that led to:
 - Decreased courseware development times by simplifying user interface.
 - Improved clarity on project progress and milestones for team and client.
 - Decreased tracking time 35% for courseware development by streamlining reporting procedures and improving usability.
 - Improved precision of data developed through project tracking.
- Analyzed and interpreted data spanning back 5+ years of courseware development.
- Implemented high-efficiency training strategies through comprehensive training documents.

- Captured knowledge from subject matter experts utilizing in-person consultation, e-mail, and other methods.
- Made content user-friendly and improved universal design elements by implementing UX and UI principles to deliver seamless learning content.

Constellation Software Engineering, Hill AFB, UT

09/2021 – 11/2021

Data Analyst

Digitized charts from TOs and POs. Put charts in the system for software to calculate gasoline usage, plane climb rate, and maximum speed for Air Force Crafts. Input the information into software.

- Reduced preparation time for aircraft launch 91% (2 hours to 10 minutes) by digitizing aircraft charts into software to decrease calculation rate for gasoline usage, climb rate, maximum speed, etc.
- Tested new features of software developed in-house for accuracy regarding major data points, minor data points, and curves.
- Improved data capture by adapting procedures for a specific chart.
- Analyzed and sorted through data to identify outliers by developing software, utilizing Excel, and utilizing Access.
- Worked within an AGILE and SCRUM environment.

AMERICORP

Volunteer

100 Hours

Mentored at-risk high school students and developed reports.

- Developed process and designed software utilizing Excel to create automated reporting that:
 - Reduced time spent tracking 97% (40 hours to 1 hour).
 - Improved data accuracy.
 - Freed up volunteers to spend more time doing primary jobs.
- Updated reporting system to provide clients real-time summary of progress on projects.

Education

OGDEN-WEBER TECHNICAL COLLEGE, Ogden, UT

04/2019

Software Development Certificate 1440 hours (approx. 48 credit hours)