

Chet GRAY HE/THEY

Software Developer • Pythonista • Data Engineer

 [linkedin.com/in/chetgray](https://www.linkedin.com/in/chetgray)  github.com/chetgray  [chet.gray_* repos on Waystar ADO](#)
 (502) 419-7008  chet.gray@waystar.com
 Louisville, KY



Asking questions, coding hard, always improving.

As a passionate problem solver, I bring a strong work ethic and a dedication to excellence to all of my projects. My inquisitive nature drives me to bring innovative solutions to the table and drive success in my roles.

SKILLS

Waystar	coding standards, Agile development, Azure DevOps
Data	SQL (SQL Server, Azure SQL, PostgreSQL, SQLite, normalization, JOINS, stored procedures, etc.), MongoDB, Pandas, NumPy, Power BI
Web	ASP.NET MVC, API development, JavaScript & TypeScript (jQuery, React), HTML & CSS, Jekyll
Other	C#/.NET, Python, Git, Linux, Google Apps Script, VBA Excel, TeX , coffee tasting

EXPERIENCE

present 2023	Application Engineer Apprentice, Technical Education, WAYSTAR, Louisville, KY <ul style="list-style-type: none">➤ Currently working on Joe Abell's Claims Product "Endeavour" team, participating in sprintly development cycle, tackling a variety of assigned work items, and being mentored by fellow teammates.➤ Developed a test harness app that is being used by teammates to explore eligibility responses <i>in situ</i> and facilitate research and debugging.➤  See: work items assigned in Waystar ADO
2023 2022	bit502, "Year of Learning" <ul style="list-style-type: none">➤ Completed bit502 Year 1 under Mark Hamner on Waystar's Technical Education Team.➤ Coded 20+ applications to demonstrate fluency in the concepts taught, including console apps, web applications using the MVC design pattern with cshtml/Razor, applications that leaned heavily on JavaScript and jQuery, and applications that interacted with databases.➤ Designed database schemas and normalized to 4NF.➤ Created stored procedures that utilized JOINS and Transactions.➤ Participated in debugging challenges, finding & fixing bugs introduced into a project.➤ Used Waystar development tools, and applied Waystar's Agile methodology and sprint process.➤ Completed a self-organized group project, creating an app that uses a database backend to facilitate synchronous multi-user activity. <div>C#/.NET SQL Server ASP.NET MVC ASP.NET WebAPI JavaScript & jQuery Azure DevOps</div>
2023 2022	Data Engineer, BRADY INTEL, contract, remote <p>Brady Intel is a boutique consulting firm that helps companies predict and control business outcomes.</p> <ul style="list-style-type: none">➤ Designed well-normalized SQL schemas for efficient data storage and access.➤ Optimized scraping and storage of massive amounts of time series data.➤ Transformed data for display in a dashboard to provide client with business insight.➤ Migrated data storage to Azure SQL for more robust access.➤ Established automated pipeline for future data processing. <div>Python Pandas Azure SQL SQLite Power BI</div>
2022 2011	Head Roaster and Roasting Technician, HEINE BROTHERS' COFFEE, Louisville, KY <ul style="list-style-type: none">➤ Designed database for roasting data, used in analysis of over 30,000 batches of coffee.➤ Developed production planning system that improved efficiency as volume more than doubled.➤ Implemented Kanban packaging system, optimizing stock levels for a growing mail-order program.➤ Determined and maintained production goals and QC standards.➤ Tasted a <i>lot</i> of great coffee. <div>NetSuite VBA Excel Google Apps Script PostgreSQL</div>
2013 2009	Assistant Manager and Barista, HEINE BROTHERS' COFFEE, Louisville, KY <ul style="list-style-type: none">➤ Used forecasting to maintain stock levels of perishable goods.➤ Onboarded and trained staff in technical skills and store logistics. <div>Excel Google Sheets</div>

EDUCATION




present 2022	Jefferson Community and Technical College, ASSOCIATE IN APPLIED SCIENCE, Louisville, KY Computer Information Technology Currently pursuing a degree as part of the bit502 program. Expected completion in December 2023. <div>C#/.NET Python JavaScript jQuery MongoDB MySQL Amazon Web Services (AWS) network administration hardware troubleshooting</div>
2019 2018	Code Louisville, Louisville, KY Python for Data • C#/.NET • Front-End Web Development <div>Git Python Pandas C#/.NET React D3.js JavaScript CSS HTML5 responsive web design</div>
2008 2005	University of Kentucky, Lexington, KY Computer Science <div>C++ algorithms data structures number theory Perl Unix</div>

PROJECTS


WAYSTAR CLAIMS ENDEAVOR TEAM 2023 - PRESENT
 See: work items assigned in Waystar ADO

C#/.NET SQL Server Transact-SQL ASP.NET

WAYSTAR EDUCATION BIT502 PROJECTS 2022 - 2023
 chet.gray_* repos on Waystar ADO Education Team
Some example projects:

-  chet.gray_Bit502FinalProject_AcmeInsurance_Claims — Acme Insurance claim management, full stack
-  chet.gray_Bit502FinalProject_Waystar_Claims — Acme Insurance claim management, 3rd party frontend
-  bit502.2022_ConnectFour — Console-based implementaion of the game Connect Four, with a SQL Server backend for remote human-v-human play, and a (somewhat) smart AI opponent.

C#/.NET Framework SQL Server ASP.NET MVC ASP.NET WebAPI JavaScript jQuery Azure DevOps

ROAST_DATA – COFFEE ROASTING TEMPERATURE ANALYSIS 2018
 github.com/chetgray/roast_data

Pandas NumPy Jupyter Notebook Python

ROASTLOG – COFFEE ROAST PLOTTING WEB APP 2018
 github.com/chetgray/roastlog

D3.js jQuery JavaScript

CERTIFICATIONS

2023	TestOut Security Pro Certification (https://certification.testout.com/verifycert/6-2C6-V2QSU3)
2022	TestOut PC Pro Certification (https://certification.testout.com/verifycert/6-2C6-RS6KG)
2022	TestOut Network Pro Certification (https://certification.testout.com/verifycert/6-2C6-RRADV)

REFERENCES

Mark Hamner
Sr. Manager, Application Engineering, WAYSTAR
@ mark.hamner@waystar.com

Joe Abell
Sr. Manager, Application Engineering, WAYSTAR
@ joe.abell@waystar.com