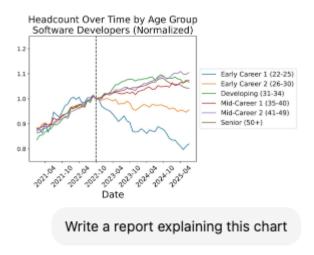
Notes: Collaborative Writing and Coding with OpenAl Canvas

- The <u>course</u> is focused on using ChatGPT 40 with canvas which as of September 7, 2025 is no longer available with the recent updates to ChatGPT.
- Some features still work for instance using visual reasoning from an image and asking it to write a summary or a longer report. (Refer example below)

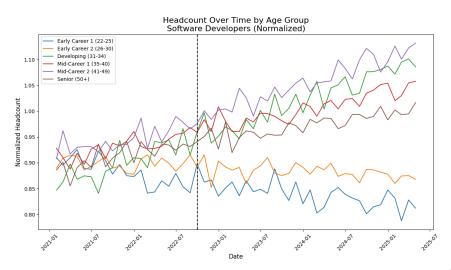


Conclusion

This chart highlights a clear **post-2022 restructuring of the software development workforce**. While early-career developers face headwinds in hiring and retention, mid-career professionals enjoy sustained growth.

Organizations may need to reconsider long-term workforce strategies to ensure that reduced entry-level hiring today does not lead to shortages of experienced developers tomorrow.

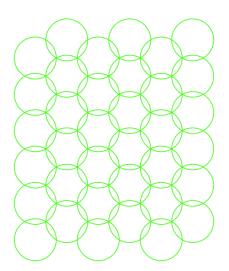
• Others are not as great. For instance, asking GPT to generate a Matplotlib graph in python using the image was not accurate.

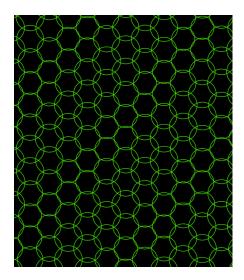


Conversion from text to markdown worked efficiently.

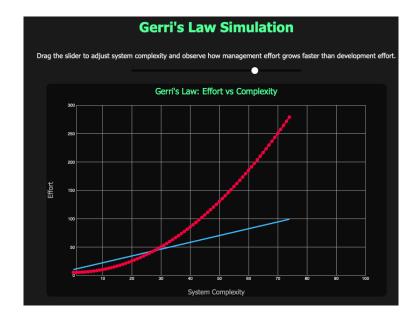
Technique / Tool	Description
Impasto	Thick, textured application of paint that creates sculptural, tactile surfaces. Light interacts with ridges to add depth and intensity.
Directional & Rhythmic Strokes	Brushstrokes follow natural forms, swirling and flowing to create rhythm and movement across the canvas.
Contour Outlining	Inspired by Japanese prints; forms are reinforced with strong outlines in deep hues, adding clarity and structure.
Pointillist / Broken Brushwork	Small, fragmented dabs of color inspired by Neo-Impressionism; creates vibrancy and shimmering effects.
Variation in Paint Thickness	Juxtaposition of heavy impasto with thin washes or bare canvas; creates contrast, depth, and dynamism.
Hog Bristle Brushes	Strong, stiff brushes allowed heavy oil paint handling, carving bold textures and vigorous strokes.
Underpainting / Tinted Grounds	Canvases prepared with tonal washes (ochre, gray, blue) to establish mood and unify compositions.
Emotional Expressiveness	Brushstrokes embody psychological states—turmoil, hope, or joy—acting as visual language for emotion.

- Creating an interactive sine wave animated function <u>did not work</u> with ChatGPT (at this point also maxed out on free usage for 2 hours). Claude also <u>was not</u> successful.
- Some stuff it did super well. Like creating a static version of a matrix of the flower of life in python - then converting it into javascript - and exporting as a self containerised html file.

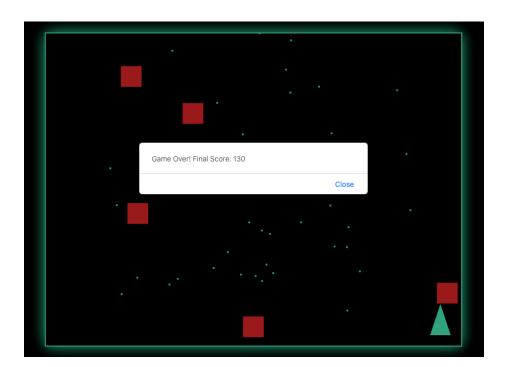




• Some interactive simulations worked. Obviously not production ready but good enough for early pilots. Interactive d3,js visualisation of Gerri's Law in a self contained html file.



• HTML outputs are way better than those in python. Probably, since the training data for HTML and CS5 is a lot easily available as compared to proper python code.



• Worked to generate a SQL database from an image.

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- The model is trained using synthetic data but largely not useful anymore since the current model (free version) doesn't have the ability to use this model.
- Fixing model behaviour check for reproduction of results, dissect the problems in the output into smaller pieces and ask model to solve the problem holistically.