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# Psyvaspace

Psyvaspace.org is a website for consumer/survivors. Members participate in 5 kinds of activities. Psyvaspace is free for all members who are consumer/survivors. Other members (who pay $10 per year) are staff members of non-profit organizations or NPOs (volunteers and tutors pay no fees), as well as friends and family members of the consumer/survivors. The NPOs are responsible for registering/verifying the individuals they serve with Psyvaspace. NPOs have the option of paying Psyvaspace to hire volunteers to moderate their forums, at a rate of say 5 cents per forum post.

## Activities

1. Forums and chat rooms
2. Share: photos, artwork, pieces of writing, web links, YouTube videos, code (web design, software)
3. Games: play turn-based games
4. Tutoring: receive tutoring or be a tutor
5. Code: develop software

## Psyvascript

All software (and games) used by members to interact with each other is written in an open source language called Psyvascript, which is itself implemented in Java. The sister language of Psyvascript is called Psyvatags, which is used to lay out text and graphics displayed on the user's screen. It also does double duty as a language for configuration files. Psyvascript multi-user runs on smartphones, and single-user runs on laptops. If the WebSocket Demo is feasible, then Psyvascript runs only on laptops/desktops, no more smartphone support.

## Psyvagrid

The Psyvagrid is used to teach math. It consists of a grid, whereby monospaced text characters each take up 2 grid cells. Superscripts and subscripts are handled using a vertical offset of one grid cell. Widgets such as check boxes and radio buttons take up 4 grid cells. Tutors and students communicate with each other using text-based chat.

## WebSocket Demo

Using WebSocket and HTML5, the Psyvagrid is displayed on 2 client computers. The remote server keeps the clients in sync. An embedded Jetty web server on each client interacts with its client, along with the remote server. The Psyvagrid has no widgets, superscripts, or subscripts. Events include text output, text color change, background color change, underline toggle, cursor change, and button press. Buttons are simply pieces of underlined and colored text.

## About Me

I am Mike Hahn, the founder of Psyvaspace.org. I was previously employed at [Brooklyn Computer Systems](#) as a Delphi Programmer and a Technical Writer (I worked there between 1996 and 2013). At the end of 2014 I quit my job as a volunteer tutor at [Fred Victor](#) on Tuesday afternoons, where for 5 years I taught math, computers, and literacy, and became a volunteer math/computer tutor at [West Neighbourhood House](#). I quit that job in mid-2019. I have a part-time job working for a perfume store. My hobbies are reading and I often go for walks. I don't read books very often, but on March 19, 2021 I started reading a biography of Steve Jobs which my brother gave me. I read the CBC news website, news/tech articles on my Flipboard app, and miscellaneous articles on my phone (same screen as my Google web page). I visit my brother once a month or more. For almost 30 years I was depressed on and off (I'm a rapid cycler), but it largely vanished after I ramped up development of my previous Aljegrid project in early March 2021.

## Contact Info

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