NICK HIEBERT

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ABOUT ME

I studied Human Nutritional Science at the University of Manitoba. Nutrition is my foremost passion, but I've also acquired a diverse range of skills and interests over the years that I pursue with persistence and enthusiasm. My interest in programming began after switching from Windows to NixOS, which requires configuration in Nix, a purely functional programming language. Since then, I've taught myself Elm and Typst and am now learning Haskell for the development of the nutriDex app.

EXPERIENCE

upRootNutrition
Content Creator, Programmer   *2018 – Present*

- Developed evidence-based content related to health and nutrition sciences.
- Conducted in-depth investigations into nutrition-related research questions for clients.
- Mentored clients on nutrition science research methodologies and interpretation.
- Managed a 2000+ member Discord community for engagement and knowledge-sharing.
- Curated and maintained a 2000+ reference nutrition literature Obsidian vault.

PROJECTS

upRootNutrition
Lead Developer   *2024 – Present*

Developed the frontend for my online platform, upRootNutrition, primarily written in the Elm programming language, but also features TypeScript, CSS, and HTML. The project features modular configuration for pages, styling, and data handling. Records, helper functions, and Markdown parsing are organized to make adding new content trivially easy. The project also makes use of a Devshell and Direnv to create a declarative and reproducible development environment.

NixOS Dotfiles
Lead Developer   *2022 – Present*

Built a modular, multi-system NixOS configuration using Flakes and Home Manager, and designed many records and helper functions to streamline system and user setups. There are structured and expandable modules for machines, services, theming, and user profiles. Secrets are securely managed via sops-nix and a hardware dongle for private keys. Flake Templates are used for quick bootstrapping in languages like Haskell and Elm.

This Resume
Lead Developer   *2025 – Present*

Developed a customizable resume template using Typst, a modern markup-based typesetting system with some functional programming features and encourages immutable state. The project features modular components for sections like education, work experience, and projects, with flexible styling options.

Homelab
Lead Developer   *2023 – Present*

Developed and built a custom, NixOS-based homelab for managing and hosting multiple services, such as Vaultwarden, Forgejo, Nextcloud, Jellyfin, SearXNG, Ollama, as well as the upRootNutrition website. The configuration features automated SSL certificate generation for HTTPS, and hosts services to the internet via reverse proxy with the Caddy webserver. Currently, the homelab is a Ryzen 5 system with 32GB of RAM and 8TB of NAS storage.

PUBLICATIONS

Moore, Jeff M., et al. ‘*Evidence for a Lean Mass Hyperresponder Phenotype Is Lacking with Increases in LDL Cholesterol of Clinical Significance in All Categories of Response to A-Restricted Diet*'. Current Developments in Nutrition, vol. 6, no. 5, May 2022, p. nzac043.
doi.org/10.1093/cdn/nzac043

EDUCATION

University of Manitoba
Human Nutritional Science   *2011*

Studio 11 Inc
Audio Production   *2008*