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|  |  | Thomas Museus Dabay  [tmuseusdabay@pm.me](mailto:tmuseusdabay@pm.me)  540-529-2003  220 Devrow Court, Franklin, TN 37064  https://github.com/thomas-m-d |
| **Full Portfolio**  [https://thomas-m-d.github.io](https://thomas-m-d.github.io/)  **Core Competencies**  ♦ HTML ♦ CSS ♦  ♦ JavaScript ♦ React ♦  ♦ Redux ♦ Node/NPM ♦  **Experience With**  ♦ SASS ♦ Bootstrap ♦  ♦ d3 ♦ jQuery ♦  ♦ Git ♦ GitHub ♦  ♦ C ♦ Java ♦ BASH ♦  ♦ Elisp ♦ Vimscript ♦  ♦ VSCode ♦ Emacs ♦  ♦ Vim ♦ Android Studio ♦  ♦ Windows ♦ MacOS ♦  ♦ Linux ♦  **Previous Employment**  Lecturer at Vanderbilt’s Philosophy Department  *(Aug. ‘17 – Aug ‘19)*  **Education**  Ph.D. in Philosophy  *(Aug. ‘12 – Aug. ‘17)*  B.E. in Electrical Engineering  with High Honor  *(Aug. ‘07 – May ‘12)* | **Portfolio Spotlight**  *Learn Polish Calculator React App* (https://thomas-m-d.github.io/learn-polish-calc)  Unlike other calculators, it includes a display for the Polish (i.e. Prefix) Notation equivalent of the current formula.  *Coding Features*   * Builds **DRY (Don’t Repeat Yourself)** in at the outset through reusable **React** components * Implements **JavaScript’s** **first-class functions** to pass the relevant function into the backspace, clear, and equals buttons’ base component * Makes use of **React’s** facility with **composition** by **encapsulating** HTML for the app’s title and help button * Imports **React-Redux** to connect relevant components to one central location for **app-wide state** * Applies **recurrsion** to correctly evaluate arbitrarily large formulae   *UI Features*   * **Prevents** users from typing **ungrammatical formulae** * **Updates** the Polish notation formula field **as the user types** * **Correctly evaluates** arbitrarily large numbers of (embedded) **parenthesis pairs** * Implements **character input** through **on-screen buttons** and the **user’s keyboard**   **FreeCodeCamp Experience**  *(Aug. ‘19 – Present)*   * Completed the **Responsive Web Design**, **JavaScript Algorithms and Data Structures,** and **Front End Libraries** Certifications * Completed all but the projects section of the **Data Visualization** and **APIs and Microservices** Certifications   **Lessons from Academia**   * Writing my dissertation taught me how to perform **self-directed** and **always-ongoing research**, culminating in my 212-page final draft. * I am a **quick learner** who **learns on my feet**, a skill that allowed me to defend my dissertation 1 year earlier than the average for my department. * My philosophical training instilled in me the importance of **clearly communicating complex ideas**, both **verbally** and **in writing**. This has paid off in numerous well-received presentations and my lengthy publication record. * I honed my **teaching abilities** after being the lead instructor for 16 undergraduate-level classes, including many on logic and writing. * My time as the Philosophy Fellow at Vanderbilt’s Writing Studio taught me how to lead **collaborative, one-on-one tutoring sessions**.   **Current Personal Projects**   * Design and build 2 **Teensy-based** eurorack **music synthesis modules** * Install and configure **Arch Linux ARM** on a **Raspberry Pi 4** |
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