

Kevin Goldberg

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EDUCATION

University of Maryland

Bachelor of Science, Computer Science, GPA: 4.0

College Park, MD
Expected May 2025

- Relevant Coursework: Algorithms, Programming Languages, Object-Oriented Programming, Computer Systems, Data Science, Discrete Math, Linear Algebra

University of Michigan

Bachelor of Musical Arts, Directing and Music Directing for Theater, GPA: 3.9

Ann Arbor, MI
May 2016

- Relevant Coursework: Computers and Programming, Calculus III, Differential Equations, Physics III, Engineering Design

SKILLS

Programming: Java, C, Python, JavaScript, React, Assembly (MIPS), Racket, HTML, CSS, Tailwind CSS, Node.js, SQL, Flask, Bootstrap, Express, MATLAB, R

PROJECTS

Custom Keyboard Firmware, *QMK Firmware*

June 2022 – September 2022

- Constructed an ergonomic and efficient keyboard configuration to alleviate arm fatigue by modifying open-source firmware and flashing a Teensy microcontroller.
- Wrote custom keymap and functions in C, used Git for version control, assembled JSON files to configure auxiliary software, and submitted the project to an open-source codebase.

Stock Trading Web Application, *Introduction to Computer Science, Harvard University*

May 2022

- Developed a robust full-stack web application to manage a stock portfolio for registered users. Leveraged Python, Flask, HTTP requests, HTML, CSS, and the Jinja2 templating engine to render dynamic content.
- Composed backend operations to create, update, and query customer records in a SQL (SQLite) database.
- Employed external API to retrieve real-time stock prices, implemented secure user authentication with password hashing, and improved user experience with error handling and transaction history features.

Sudoku Solver, *How to Code: Complex Data, University of British Columbia*

May 2023

- Studied representations of complex data and the functional programming paradigm to create a robust Sudoku solver in Racket.
- Formed tree data structure to represent possible solutions, devised a backtracking search algorithm, and applied generative recursion to effectively handle even the most difficult puzzles.

Genuinely Gentle Animal Training, *genuinelygentle.com*

November 2021 – January 2021

- Designed digital assets and consumer experiences for an animal training business, generating \$12,000 in new revenue.
- Produced a website featuring a chatbot, live chat support, meeting scheduling, 20+ package booking options, and a three-tiered recurring payment subscription service.

EXPERIENCE

Stepladder, *Executive Director (2023), Program Manager (2021-2022), Silver Spring, MD*

November 2021 – Present

- Educated over 1,000 community members in financial literacy through facilitating workshops and one-on-one coaching.
- Authored grant proposals, budgets, and monthly reports directly resulting in \$100,000 of funding.
- Refreshed website with enhanced UX, integrated scheduling system, and automated data collection, resulting in 300 new client sign-ups and 500 event registrations.

Center for Mindful Learning, *Director of Finance and Operations, Lowell, VT*

August 2018 – October 2020

- Enabled organization-wide access to vital donor information by meticulously consolidating data on 2,500 clients into a bespoke CRM relational database in Airtable.
- Synchronized donation data extracted from the Quickbooks API, enabling in-depth analysis of donor behavior, and harnessed these insights to lead a 20-member team to successfully fundraise our \$500,000 goal.

SRBR Engineers, Inc., *Engineering Intern, Catonsville, MD*

June 2013 – August 2013

- Utilized AutoCAD to render mechanical engineering systems for commercial and residential construction projects.

University of Michigan, *Theatre Director, Music Director, Ann Arbor, MI*

August 2012 – May 2016

- Directed two musical productions and conducted full orchestras for three musicals, including *Les Misérables*, *Spring Awakening*, and *Sweeney Todd*, captivating audiences of over 1,000. Demonstrated strong leadership by coaching and mentoring hundreds of actors and musicians, leading rehearsals with over 40, and assisting a Tony-nominated Broadway performance.