

Kevin Goldberg

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EDUCATION

University of Maryland

Bachelor of Science, Computer Science, GPA: 4.0

College Park, MD

Expected May 2025

- Selected 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

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

SKILLS

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

PROJECTS

Empowering Communities Through Financial Empowerment, stepladder.org

January 2024 – Present

- Designed and developed a fully-responsive website using React.js and Tailwind CSS to educate visitors, recruit volunteers, and drive participant registration. Orchestrated a multiple-stakeholder rebranding process, culminating in a new organizational name and brand identity. Negotiated domain name acquisition, securely configured the platform using Cloudflare DNS, and successfully deployed the application on Heroku.
- Implemented backend with Node.js and Express.js, utilizing GitHub for version control, and now constructing a client portal.

Ergonomic Keyboard Firmware, [QMK Firmware](https://github.com/kevinhgold/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.

Personal Stock Trading Portfolio, *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.

Genuinely Gentle Animal Training, genuinelygentle.com

November 2021 – January 2022

- 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.