



# Ethan D. Ratnofsky

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## EDUCATION

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### Vanderbilt University

Nashville, TN

*Bachelor of Science in Computer Science*

August 2020 — May 2023 (Expected)

- GPA: 3.5/4.0, Major GPA: 3.8/4.0 (Dean's List: Spring 2021, Fall 2021, Spring 2022)

### Grinnell College

Grinnell, IA

*Bachelor of Arts in Computer Science*

August 2019 — May 2020

- GPA: 3.9/4.0 (Dean's List: Fall 2019, Spring 2020)
- Founder's Scholarship: 4-year \$22,000 annual merit award

## RELEVANT SKILLS

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**Technical Languages:** JavaScript, Python, C++, C, HTML, CSS, Bash, Racket, Assembly, R, Prolog, SQL

**Development Skills:** Full Stack Development, REST, React.js, Node.js, React Native, MongoDB, Object-Oriented Programming, Git Version Control

## EXPERIENCE

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### Kinetik Healthcare Solutions

Long Island City, NY

*Software Engineer Intern*

June 2022 — August 2022

- Developed a Node.js backend API service shared internally by all internal microservices to make efficient geographic location data requests
- Improved and heavily refined source code and data management
- Reduced expenses by significantly optimizing the number of external API requests
- Collaborated with an intimate, ambitious team to nationally improve the NEMT industry

### Change++, Vanderbilt University

Nashville, TN

*Engineering Manager*

September 2022 — Present

- Makes architectural decisions, collaborates with stakeholders in product discovery, manages Git repository

*Software Engineer*

October 2021 — September 2022

- Constructed a mobile application with React Native used by medical technicians to collect and organize drug treatment information in the Democratic Republic of the Congo
- Improved the collection of health information by developing an efficient technical solution
- Collaborated with international stakeholders from the Africa-inspired nonprofit organization United Front Against Riverblindness (UFAR)
- Coordinated and trained coworkers through the frontend development of the application

### AbbVie Bioresearch Center

Worcester, MA (Remote)

*Full-Stack Software Engineer Intern*

June 2020 — August 2021

- Delivered two project presentations to 100+ Business Technology Solutions experts
- Developed an internal, React web application for scientists to annotate DNA sequences
- Designed and implemented a Python backend REST API to manage private databases

## PROJECTS

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**Flopaholic** (July 2022 — Present): A React web application for simulating randomly dealt playing cards and for challenging users' poker hand ranking recognition skills with custom classes and ranking recognition algorithms.

**Portfolio Website** (July 2021 — Present): A React web application for showcasing projects and experiences.

**Playlist Bridge** (July 2020 — October 2020): A full-stack, Python web application for converting music playlists from one music streaming service to another.