

# Elliott N. Hansen

Dual Citizen of Germany

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## EDUCATION

**University of Virginia** - Charlottesville, VA

**May 2024**

Bachelors in Computer Science, GPA: 3.31

- Virginia Club Sailing, German Society, College Mentors for Kids

## HIGHLIGHTED COURSEWORK

Advanced Software Engineering, Programming Languages for Web Applications, Intro to Cybersecurity  
European Politics, International Relations, Classical Islam, The African Diaspora

## RELEVANT SKILLS

**Programming:** C, CSS, HTML, Java, JavaScript, JSON, PHP, Python, SQL, TypeScript, x86-64 ASM

**Software/Tools:** Angular, Django, Docker, GCC, Git, GitHub, Heroku, Linux Systems (Debian-based), PostgreSQL

## SOFTWARE PROJECTS

**University Event Planner**

**Sep - Dec 2023**

- Organized and lead a small agile group of student developers in the engineering of a Django app for planning and hosting events around the University of Virginia.
- Ensured costumer needs were met through constant and consistent meetings discussing milestones and future steps for the project.
- Designed an effective yet friendly front-end with clear calls to action and a functional color palette, promoting a streamlined and efficient user experience.
- Implemented several back-end features with the team and single-handedly wrote hundreds of lines of Python code for the app using the Django framework.

**Hurtle** - Wordle-like Game

**Oct 2023**

- Programmed and deployed a JavaScript web game similar to the New York Times' classic Wordle game with the goal of being significantly less fair and much harder to guess words.
- Developed algorithms for determining closest-guess words in order to aid the player and promote a positive user experience by preventing long search times through guess history.
- Designed a sleek and minimalistic user interface with subtle animations providing a premium feel to the game.

**Enigma Machine**

**Sep 2023**

- Simulated the encryption algorithm used in the notoriously difficult-to-break Enigma code utilizing Python (also developed a Java version).
- Introduced a simple yet effective command-line GUI allowing the user to configure the system prior to encoding and visualize the encryption both after encoding and decoding.

## PROFESSIONAL EXPERIENCE

**Vineyard Vines** - Williamsburg, VA

**Aug 2020 - Aug 2023**

Crew Member

- Collaborated with a team of skilled salespersons in delivering a refined experience to clientele by building a specific environment and using expressive and cheerful language.
- Contributed to building said environment through strategic and thoughtful suggestions regarding floorplans and customer experience.
- Made use of foreign language and knowledge of world cultures to efficiently connect with international clientele.
- Developed strong communication and interpersonal skills effective on a wide range of people from various backgrounds.

## LANGUAGE

**Proficient In:** German (C1)