

Will Gephart

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EDUCATION

University of Richmond, Richmond, VA, *Intended Bachelor of Science in Computer Science and Mathematics* May 2026
Dean's List Honors, GPA: 3.81/4.0
Phillips Exeter Academy, Exeter, NH June 2022
Highest Honors, GPA: 10.0 /11.0

COMPUTER SKILLS

Languages: *Proficient:* Java, SQL, Python, PHP, HTML, CSS

Skills: Data Structures and Algorithms, Machine Learning, Scikit-learn, Statistics, MongoDB, Database Management, Android & iOS App Development, Full Stack Development, Object Oriented Programming

WORK EXPERIENCE

Product Lead & Head of Operations, **Rally!**, Ithaca, NY May 2024 - Present

- Drive the strategic vision and development of a SaaS consumer marketing platform that gained 400 active users and 7,431 user engagements during its initial 7-day market test.
- Coordinate the creation of an innovative blended B2B and B2C business model, leading cross-functional teams from ideation to execution.
- Perform substantial market research and analysis to create a compelling pre-seed startup pitch deck to effectively communicate the company's vision, market potential, and growth strategies to prospective investors and secure funding.

Full Stack Development Intern, **ProZ.com**, Syracuse, NY Summer 2022 and Summer 2023

- Utilized PHP, HTML, SQL, and CSS to creatively resolve bugs and implement new site features, contributing over 4,000 lines of code.
- Upgraded over 50 files from PHP 5 to PHP 8 by removing deprecated functions and ensuring type compatibility, resulting in a 100% performance increase while enhancing code safety and maintainability.
- Leveraged front-end and back-end languages to implement unique buttons and customized display on "profile edit" pages, based on information from queries of the company database.
- Prepared over 70 files to be localized, enabling users to experience the website in over 100 different languages.
- Demonstrated proficiency in navigating a vast codebase of over 1 million lines, while also adeptly working with private servers and databases.

PROJECTS

Algorithmic Trading Bot, Python

- Developed an ML-driven algorithmic trading program, integrating Alpaca API and FinBERT sentiment analysis on financial news to generate high-probability buy and sell signals.
- Incorporated risk management controls, including position sizing rules and stop-loss mechanisms, to mitigate potential losses and ensure capital preservation.
- Conducted extensive backtesting and simulation using historical market data, achieving estimated annual returns of 25-30% before transaction costs, with a focus on optimizing risk-adjusted performance metrics.

Social DJ, Java

- Created an Android app to streamline music discovery and sharing among friends, enabling users to post songs, follow friends, see posts, and schedule events leading to 50% more song discovery per user.
- Implemented dynamic post display, user search, and event notifications using Java, JSON, SQLite, and Android widgets like RecyclerView and CardView leading to a 87% user satisfaction rate during testing.
- Incorporated security features such as password hashing, unique credentials, and post deletion restrictions.

Syllabus Planner, Python

- Created a program that reads syllabi inputted by the user and adds all assignments to an Apple Calendar reducing organization time by over 94% per course.
- Utilized regular expressions to capture dates in various formats and include the corresponding assignments.
- Incorporated user-input file paths to add the assignments to the user's calendar.

ACTIVITIES & LEADERSHIP EXPERIENCE

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- *Accounting Committee*, **Relay for Life**, University of Richmond, Richmond, VA August 2022 – Present
 - *Risk Chair*, **Sigma Phi Epsilon**, University of Richmond, Richmond, VA April 2023 – April 2024

Language Skills: English (first language), Spanish (conversational)

References available on request