Alexandra Paskhaver

Software Engineer
Phone: (609) 580 - 9693 | **Email:** alexandra.paskhaver@gmail.com

EXPERIENCE

Princeton University Investment Company / *Investment Technology Analyst*   **JUN 2022 - AUG 2022**
Technologies used: Python, pandas, Microsoft Excel, Azure DevOps
- Wrote scripts to get, modify, and post data to a financial research management system
- Improved test coverage by 73% with the unittest module
- Refactored 27% of unit tests to mock API calls to decrease test runtime
- Created Python programs to accelerate the transfer of tens of rows of data into an Excel spreadsheet
- Found and analyzed corresponding entries between spreadsheets using difflib and regex, saving 20+ hours of manual searching per year

Udemy / *Online Instructor*   **AUG 2021 - PRESENT**
- Created the bestselling Introduction to Political Science course on Udemy
- Produced 5 hours of course material to engage 300+ students
- Designed 4 course logos with PhotoShop

PROJECTS

Zoom Recording Transcription Research with Professor Ananda Gunawardena
Technologies used: Python, npm, Zoom API
- Fetched Cloud recordings from a Zoom user and automatically generated a transcription file with start and end times for each sentence fragment
- Researched and utilized natural language processing libraries to analyze video transcriptions for key words suggesting idea or subject transitions
- Improved test coverage to and maintained it at more than 80%
- Automatically displayed results in easy-to-read visual format

Rutgers RUMobile   App Store
Technologies used: React Native, React Native Testing Library   Google Play Store
- Collaborated with a team of developers and designers to serve 3,000+ users
- Built 20+ components to display food details and profiles, welcome users, and more
- Improved test coverage of functions by 12% to limit errors
- Upgraded dependencies to ensure codebase was up-to-date

Personal Website   GitHub
Technologies used: HTML, CSS, JavaScript
- Built a stylized, responsive website to showcase my work
- Developed an appealing color theme

EDUCATION

Rutgers University / *School of Arts & Sciences Honors Program*   **SEP 2021 - MAY 2025**
- Pursuing a Bachelor's in Computer Science (GPA: 4.0)
- On Dean's List for 3 semesters

EXTRACURRICULARS

Humor Column   **JAN 2023 - PRESENT**
- Pitched and delivered a biweekly and weekly humor column to the *Delaware County Daily Times* and the *Gettysburg Times*, newspapers with a combined circulation of 50,000+
- Wrote the first humor column for the Rutgers SAS Honors Program Blog