Alexandra Paskhaver

Software Engineer and Writer

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EXPERIENCE

Amazon.com, Inc. / *Software Development Engineer Intern*　　　　**MAY 2023 - AUG 2023**

Technologies used: Amazon Web Services (AWS), Java, Python, Bash

- Developed a load test on an internal tool for the Aurora Serverless v2 team, giving insight on a previous blind spot
- Automated the creation of HTTP servers to increase scalability of future tests
- Wrote documentation and an engineering design document with input from my team
- Programmed 2 proofs of concept to determine the feasibility of proposed solutions

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, saving 50+ hours of data entry
- Found and analyzed corresponding entries between spreadsheets using difflib and regex, saving 20+ hours of manual searching per year
- Enhanced error detection by increasing test coverage to 73%
- Refactored 27% of unit tests to use mock API calls to increase test speed

Udemy / *Online Instructor*　　　　**AUG 2021 - PRESENT**

- Created the bestselling Introduction to Political Science course
- Produced 5 hours of course material to engage 650+ students
- Designed 4 course logos with PhotoShop on request for another instructor

PROJECTS

File Transcription Research with Professor Ananda Gunawardena

Technologies used: Python, Flask, SpaCy, Gensim

- Built a website for users to upload video or audio files, transcribe them, and search for files containing keywords or topics
- Researched and utilized natural language processing libraries to analyze video transcriptions for keywords suggesting subject transitions
- Raised test coverage to and maintained it at 80%+
- Generated and displayed visualizations of data for a written report and presentation

Rutgers RUMobile　　　　App Store

Technologies used: React Native, React Native Testing Library　　　　Google Play Store

- Collaborated with developers and designers to serve 3,000+ users by building new features
- Built 20+ components to display food details and profiles, welcome users, and more
- Improved product quality by increasing test coverage by 12%

EDUCATION

Rutgers University / *School of Arts & Sciences Honors Program*　　**SEP 2021 - JAN 2025**

- Pursuing a Bachelor's in Computer Science and a minor in American Studies
- On Dean's List for 5 semesters (GPA: 3.97)

PUBLICATIONS

Humor Column　　　　**JAN 2023 - PRESENT**

- Through syndication with Cagle, released columns to 400+ news organizations per week
- Pitched and delivered 50+ humor columns to the Delaware County Daily Times and the Gettysburg Times, publications with a combined total of 125,000+ unique online readers per month and daily single-copy sales of 13,000+　　　　Selected Columns