

# TYLER GEIGER

## Software Developer

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📍 West Chester, PA

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## WORK EXPERIENCE

### Copyright Office – Temporary Employee

#### ASTM International

📅 2022 - current 📍 Conshohocken, PA

- Successfully registered over 5000 of ASTM's published literary works with the U.S Copyright Office through the ECO system.
- Developed and proposed an automation to the IT Department for the process above using Node.js, the XLSX library, and a Copyright Public Records API.
- Developed numerous ease-of-use automations and shortcuts utilizing Excel Office scripts and Windows PowerShell, significantly improving workflow efficiency, and simplifying tasks for my supervisor.

### IT Operations – Temporary Employee

#### ASTM International

📅 June 2023 - August 2023 📍 Conshohocken, PA

- Application Portfolio Management: Populated an APM (Application Portfolio Management) site by conducting interviews with IT team members to gather and document detailed metadata on applications, including application dependencies, subject matter experts, and infrastructure components (DEV, QA, Prod servers), among other details.

## PROJECTS

### Software Engineering, Chester County Association for the Blind and Visually Impaired (CCABVI) Website Rework

#### Team Lead

📅 Sept 2024 - Dec 2024

- Led a website enhancement project, implementing UI/UX improvements focused specifically for accessibility with blind users, including features designed to comply with 508/ADA standards and optimize screen reader navigation.
- Led requirements gathering sessions with a non-technical client, translating their needs into actionable development plans.

## SUMMARY

I am a third-year Computer Science student at West Chester University with a passion for software development and problem-solving. I am seeking an internship or research opportunity to apply my technical skills, gain hands-on experience, and contribute to innovative solutions in the field.

## SKILLS

- Javascript
- NodeJS, ExpressJS, & MongoDB
- React.js (Familiar, actively learning)
- HTML, CSS
- Git, Github, & Bitbucket
- Excel & MS Office Scripting
- Java
- Problem Solving
- Bash & Powershell
- Visual Studio Code
- SQL

## EDUCATION

Diploma

#### Souderton Area High School

📅 2018 - 2022

📍 Souderton, PA

Bachelor of Sciences

Major in Computer Science, Minor in Applied Statistics

#### West Chester University

📅 Aug 2022 - current

- Resolved technical issues, including fixing a PayPal integration and identifying hosting configurations for the WordPress-based website.
- Collaborated with teammates, taking a leadership role in front-end development and team communication.

## Electronic Copyright Office Registration Automation

### Creator

- Automated the registration process on the Copyright Office's Electronic Copyright Office (ECO) system using PuppeteerJS and Node.js.
- Designed and implemented workflows to extract data from Excel spreadsheets, format it for automation, and retrieve prior registration numbers by querying the Copyright Public Records API.
- Designed additional scripts using PuppeteerJS to automate the upload of PDFs from a shared network drive to the ECO system.
- Reduced a previously week-long, sometimes multi-week manual process into an automation that can be configured and executed in a single day, significantly improving efficiency.

📍 West Chester, PA

### Awards

- Dean's List, Fall 2024
- Dean's List, Spring 2024

### Relevant courses

- Computer Science I, II, & III
- Foundations of CSC
- Data Structures & Algorithms
- Computer Security & Ethics
- Programming Lang Concepts & Paradigms
- Software Engineering
- Database Mgt Systems
- Modern Web Apps Using Server-Side Technologies
- Computer Science Principles
- Data communications & Networking