

# Sebastian Perez

## Software Engineer Intern

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[LinkedIn](#)

*Seeking a software engineering internship at Promega Corporation to apply my skills in automated software testing, creating scalable test environments, and supporting Promega's mission of building innovative biotechnology products through high-quality software solutions.*

## WORK EXPERIENCE

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### WPS Health Solutions - Data Entry Clerk

2023 - current

Madison, WI

- Entered and validated 651 health insurance policyholder records every week, maintaining a 97% data accuracy rate.
- Automated 4 data entry tasks using Selenium, reducing manual effort by 52%.
- Processed 18 claims per day, ensuring compliance with all HIPAA regulations.
- **Increased audit accuracy to 87%** by assisting in the review of 9,592 policyholder records.

## PROJECTS

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### Code Quality - Research Contributor

2022

- Contributed to research exploring 7 automated testing tools for improved code quality.
- Integrated Angular codebases with unit and integration testing frameworks, growing code coverage from 63% to 92%.
- Used Trello for managing tasks and tracking research milestones on Kanban Boards, completing the project 2 days before the deadline.
- Enhanced test environment scalability by deploying Kubernetes, **cutting execution times by 44 minutes**.

### App Development - Team Member

2021

- Led a team to launch a task management app, attracting over 35 student users on day one.
- Deployed the application on Microsoft Azure, **maintaining a 94.1% uptime rate** via effective cloud resource management.
- Optimized the performance of the mobile app's database with PostgreSQL, shortening the average query response time by 16 ms.
- Refined features before testing, ensuring 96% of all suggested features were released on time.

## EDUCATION

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### University of Wisconsin-Madison - Bachelor of Science, Computer Science

2020 - current

Madison, WI

## SKILLS

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Trello; Selenium; Angular; Kubernetes; CircleCI; Microsoft Azure; PostgreSQL; Java; IntelliJ IDEA; GitHub