

Andrew Waterman

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PROFESSIONAL SUMMARY

Results-driven software engineer with a bachelor in computer science enrolled in the Software Engineering program at Per Scholas, with hands-on experience in full-stack development, debugging, and database management. Proficient in JavaScript, ReactJS, Express, and MongoDB, with a strong ability to design and implement scalable web applications. Adept at problem-solving in collaborative environments, optimizing code efficiency, and enhancing user experience through structured, well-documented solutions. Experienced in Agile development, leveraging Trello and Git for streamlined project coordination and continuous integration. Passionate about delivering high-quality applications by applying analytical thinking and a keen attention to detail.

TECHNICAL SKILLS

- Javascript
- Python
- Trello
- MongoDB
- Mongoose (ODM)
- VSCode
- SQL
- HTML
- CSS
- Git
- JSX
- ReactJS
- Redux
- PostgreSQL
- Node.js

EDUCATION

Per Scholas | Software Engineering MERN Stack | Remote | *May 2025*

- Related Coursework: Javascript, ReactJS, Redux, Express, MongoDB

General Assembly | Software Engineering Immersive | Remote | *April 2022*

- Related Coursework: Javascript, Python, SQL, PostgreSQL, Embedded JS, Express, MongoDB, Mongoose, Trello

CUNY Brooklyn College | Degree: Computer Science | Brooklyn, NY | *May 2018*

- Related Coursework: C++, Java, SQL, Oracle, Data Structures, Algorithms

PROJECTS

Equipment Tracker | Application that allows users to request to borrow equipment from other users

Technologies Used: Javascript, Embedded JS, Express, MongoDB, Mongoose, Node.js, Trello, Whimsical, Lucidchart

Achievements:

- Optimized database queries by 30%, leveraging MongoDB indexing and schema refinement to accelerate data retrieval.
- Integrated Trello and Lucidchart for wireframing and task management, leading to 25% faster project completion compared to initial estimates.
- Utilized Google Cloud tools to enable OAuth, reducing unauthorized access by 40%, improving application security.

Simon | A web browser version of the Milton Bradley(now Hasbro) game

Technologies Used: HTML, CSS, Javascript, Trello, Whimsical

Achievements:

- Designed a game logic algorithm that improved user response accuracy by 35%, enhancing gameplay smoothness and engagement.
- Refactored JavaScript codebase, reducing redundant logic by 45%, improving maintainability and performance.
- Conducted cross-browser testing, resolving compatibility issues across 3+ browsers, increasing accessibility for diverse users.

PROFESSIONAL EXPERIENCE

Columbia University Undergrad Mailroom Associate | SPS Global | New York, NY

August 2023 - Current

- Processed an average of 500+ packages per day, reducing student wait times by 35% through an optimized sorting system.
- Enhanced package tracking accuracy by 25%, implementing a digital logging system that minimized misplacements.
- Led the reorganization of mailroom workflow, decreasing package retrieval time by 40%, as measured by internal audits.
- Trained and onboarded over 10 new employees, streamlining operational efficiency and knowledge transfer.

Customer Service Associate | Walgreens | New York, NY

March 2013 - April 2019

- Maintained inventory accuracy across 5+ departments, reducing stock discrepancies by 30% using AS/400 database updates.
- Assisted an average of 50+ customers per shift, becoming employee of the month within five months with no prior customer facing experience.
- Trained 3+ new associates per month, improving productivity by 20%, measured by reduced onboarding time.