

# Connor Patterson

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## OBJECTIVE

Results-driven Software Engineer experienced in leading feature development, optimizing systems and mentoring interns, eager to collaborate with a dynamic team on innovative solutions.

## EDUCATION

### Rensselaer Polytechnic Institute (RPI)

*Bachelor of Science in Computer Science, Minor in Management, Minor in Media & Culture*

- James A. Voorhies '20 Scholar

Troy, NY

May 2023

## EXPERIENCE

### State Farm

June 2023 – Present

*Fullstack Software Engineer*

*Remote*

- Delivering robust full-stack solutions using Angular and Java, rigorously testing with Codecept and Jasmine, and supporting an application used 600,000 times each month.
- Driving enhancements to a modern Auto Insurance quoting application for agents, ensuring compliance and proper coverage across 20 states. Instrumental in reducing average quote time by 71% while increasing purchase quote rate, saving \$3 million and 110,400 hours annually.
- Integrated real-time behavioral analytics (such as user inputs and dwell time) with ForMotiv, enabling the team to monitor user and agent interactions across application flows, identify opportunities for user experience improvements, and to detect potential bad actors, preventing illegal and dishonest practices.
- Key contributor to the “Year Make Model BodyStyle” feature rollout in the quoting application, which enables agents to manually input vehicle details such as Make, Model, MSRP, and Total Customization Amount, as well as adding the capability to enter invalid VINs, enhancing overall user experience and application flexibility.
- Optimized Angular compile and hot reload speed by 130% by refactoring environment setup logic, reducing full recompilation triggers in development mode and compile scope as well as streamlining frontend iteration for our team.
- Mentored two interns by providing daily structure and guidance, supporting their technical and professional development.
- Redesigned and launched a new shared library, replacing the legacy system and boosting collaboration with partners by 40%.
- Completed an internal course introducing Docker, Terraform and YAML-based pipeline implementation.

### State Farm

May 2022 – August 2022

*Fullstack Software Engineer Intern*

*Remote*

- Developed and tested robust Angular components with Codecept and Jasmine; integrated with the Java backend.
- Led the delivery of new features weekly, identified and fixed bugs, and provided production support.

### PipeSearch LLC

May 2021 – August 2021

*Fullstack Software Engineer Intern*

*Remote*

- Modernized legacy systems with React and Django, enhancing performance and usability.
- Built an Excel data integration platform for efficient management of supply opportunities.

### Latitude Margaritaville Bar & Chill

June 2023 – January 2025

*Server*

*Panama City Beach, FL*

- Collaborated effectively with kitchen staff to ensure timely order fulfillment, up to 20 hours a week.
- Cultivated a welcoming environment by delivering attentive, personalized service that boosted satisfaction and repeat visits.

## RELATED SKILLS

**Programming Languages:** TypeScript, JavaScript, Java, C/C++, Python, HTML/CSS, MATLAB, PostgreSQL

**Frameworks:** Angular, Spring, React, Django, Node.js

**DevOps:** AWS, GitLab CI/CD, Snyk, ServiceNow, Digital.ai Agility, YAML, Docker, Kubernetes, Terraform

**Developer/Testing Tools:** Git, GitLab, CodeceptJS, Jasmine, Chrome DevTools, Postman, Insomnia, Bitbucket, Jira

**Certifications:** AWS Certified Cloud Practitioner

## PROJECTS

### PredictChain

*Blockchain-based AI Model Marketplace*

*Scientific Paper: <https://arxiv.org/pdf/2307.15168>*

- Developed a user-friendly marketplace for predictive AI models, allowing dataset uploads, requests for model training, and transparent transaction history via blockchain. Scientific paper and solution presented at the ChainScience 2023 Conference.
- Won 1st place and “Most Innovative Technology” at the 2023 MEGA-ACE Hackathon at RPI.

### MIMAX

*Movie Database Website*

*Website: <https://sdd-mimax.netlify.app/>*

- Led a team of five utilizing scrum and AGILE methodologies to build a React-based website in 10 weeks, integrating The Movie Database (TMDb) API for data; includes search functionality, details, ratings, and spotlights for movies/TV shows.