Nicholas Patel

West Lafayette, IN | Pittsburgh, PA | 412-874-6095 | pate1919@purdue.edu | linkedin.com/in/nickpateldev

EDUCATION

Purdue University   **West Lafayette, IN**
Computer Science   **May 2027**
Concentrations: Software Engineering, Machine Learning
- **GPA:** 3.5
- **Activities:** Athlete – Purdue Powerlifting (USAPL National Competitor); Officer – Purdue Boxing (Recruitment)

PROFESSIONAL EXPERIENCE

U.S. Steel Corporation   **Remote**
Student Employee - IT (Enterprise Manufacturing Solutions - Supply Chain)   **Jan. 2025 – Dec. 2025**
- U.S. Steel Corporation is a leading integrated steel producer with a strong global presence, providing advanced engineered steels and solutions across various industries.
- Developed and maintained a web application for tracking and managing steel inventory.
- Executed SDLC processes, including configuration, testing, and deployment.
    - Stack: Java (Eclipse, Apache Tomcat); JavaScript; SQL (Toad); Agile; Git
- Delivered enhancements and bug fixes, improving system reliability and UI clarity.
- Participated in Agile sprint meetings with international teams for deployment.

Food Flip – iOS Application   **West Lafayette, IN**
Independent Founder/Developer   **Jan. 2024 – Present**
- Developed Food Flip, an iOS app that gamifies restaurant decision-making using an algorithmic tournament-based pairing system.
- Engineered a modular MVVM architecture with Combine for reactive state management and improved scalability.
    - Stack: Swift (SwiftUI, Combine, CoreData); Xcode; Google Places API; MapKit; REST APIs
- Integrated asynchronous API calls, data persistence, and dynamic UI updates for a smooth user experience.
- Achieved 500+ downloads and ranked #2 in the Food & Drink category upon launch.
- Oversaw app maintenance, performance optimization, and analytics tracking post-release.

CS 307 Design Project – Auto Shop Management Web App   **West Lafayette, IN**
Software Engineer   **Aug. 2025 – Dec. 2025**
- A collaborative project for Purdue's CS 307 course, focusing on developing a comprehensive web app for auto shop management.
- Developed a full-stack web application for vehicle service appointment scheduling.
    - Stack: Python; Django; JavaScript; React; Node.js; SQL/PostgreSQL; REST APIs; Google OAuth
- Managed a four-person team using Scrum, maintaining project velocity and alignment.
- Implemented Role-Based Access Control secured by Google OAuth 2.0 and JWTs.
- Integrated Stripe for online payments and utilized Django ORM for database operations.

SKILLS, TECHNOLOGIES & INTERESTS

- **Skills:** Software Development; App Design; Web Development; Problem-Solving; Leadership; Teamwork; Communication; Creativity
- **Technologies:** Java; Python; C++; C; C#; Swift; JavaScript; React; Node.js; Express; MySQL; HTML/CSS; Linux; Git; Eclipse; Tomcat; Xcode
- **Interests:** Weightlifting; Snowboarding; Boxing; Lego Collecting; Traveling; Running; College/Pro Sports; Video Editing

ADDITIONAL EMPLOYMENT

- **Simcoach Games;** *Game Development Apprentice*
- **RedCup Purdue;** *Graphic Designer*
- **Don's Appliances;** *Delivery Installation Technician*
- **NrGize Smoothie Bar;** *Server & Cashier*
- **Portman's Deli & Bakery;** *Baker*