

Parker Phillips

Software Engineer – React, TypeScript, AI Developer Tools

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EDUCATION

Western Washington University

Bellingham, WA

Bachelor of Science in Computer Science

September 2022 – June 2026

- GPA: 3.79/4.00; coursework in Data Structures & Algorithms, Databases, Computer Networks, Operating Systems.

Western Washington University

Bellingham, WA

Web Development Bootcamp

June 2024 – September 2024

- Finished with a 98.4%; built and deployed modern, responsive full stack web applications.

EXPERIENCE

Implementation Consultant Intern

June 2025 – September 2025

FAST Enterprises

Boston, MA

- Contributed to a large consumer-facing state unemployment platform as part of a cross-functional engineering team to **design, build, test, and deploy** scalable features in a regulated, security-conscious environment.
- Implemented and maintained **C#/.NET** services and UI-facing logic in a multi-tier architecture, applying clean, reusable component patterns and high-quality coding standards.
- Optimized **SQL/T-SQL** queries and stored procedures over large datasets to improve reliability and latency for high-traffic user flows, reports, and integrations.
- Triageed and root-caused a production sign-up outage; shipped a **C#** fix within 1 day (ahead of a 2-day deadline), restoring user-facing functionality and reinforcing robust incident-handling practices.

Undergraduate Researcher – Smart Home Data Privacy

March 2025 – June 2026

Western Washington University

Bellingham, WA

- Built and iterated on a **React + TypeScript** dashboard as an internal developer tool for researchers, surfacing real-time smart home events via APIs for exploratory analysis and visualization.
- Implemented hooks-based state management, context-driven data sharing, loading/error handling, and reusable components so the UI stays performant and predictable as users filter, navigate, and drill into complex event data.
- Collaborated in a small, interdisciplinary team focused on privacy and security, turning feedback into refined UX flows and maintaining shared documentation around data handling and experimental workflows.

PROJECTS

PassThatClass | *React, TypeScript, Node.js/Express, Postgres (SQL), OpenAI, Stripe, AWS*

- Designed and built a full stack React single-page application where students create classes, upload notes (text + images), and generate AI-powered quizzes—an AI-assisted workflow that feels like a focused developer tool for learning.
- Implemented a **TypeScript + Node.js/Express** backend with RESTful APIs and a well-normalized Postgres schema (users, classes, quizzes, questions) that cleanly separates orchestration logic from model calls and storage.
- Integrated **OpenAI models** and **Google Cloud Vision OCR** into a multi-step pipeline (OCR → LLM → post-processing), iterating on prompt engineering and chaining patterns to improve quiz quality and safety.
- Reviewed and evaluated model outputs against source notes, refining prompts and system instructions over time to raise accuracy and reduce failure modes in AI-generated content.
- Built a centralized React DataContext and reusable component architecture (hooks, context, composition) so dashboard, class, and quiz views efficiently share state and stay responsive as users interact with AI features.
- GitHub: <https://github.com/DevParkerCS/PassThatClass>

TECHNICAL SKILLS

Languages: TypeScript / JavaScript, Python, C#, Java, SQL / T-SQL, HTML/CSS

Frontend: React expert; hooks, context, component architecture, single-page applications, performance-minded state management, and building polished developer-facing UIs.

AI & Developer Tools: OpenAI API, prompt engineering, multi-step LLM pipelines, AI-assisted workflows; heavy day-to-day use of VS Code, CLI tooling, and Git-based workflows.

Backend & Infra: Node.js/Express, .NET, RESTful API design; Postgres, SQL Server, basic MySQL.