PETER KIM

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SUMMARY

Front-End Engineer specializing in JavaScript, HTML, CSS, with experience in Test-Driven Development (TDD) and GitHub Workflow. In my 3 years working at Pure Shenandoah, I helped develop critical systems in place by identifying operational inefficiencies, implementing comprehensive solutions, and overseeing their performance. My work experience helped sharpen my analytical mindset and passion for problem-solving, building a track record of optimizing processes, and driving growth through adaptability and collaborative teamwork.

SKILLS

Languages/frameworks: React, JavaScript, TypeScript, HTML, CSS, PostgreSQL, Express

Testing/Workflow: Cypress, Mocha/Chai, Git, GitHub, CI/CD

UI/UX: Accessibility, Responsive Design

PROJECTS

Chatt-r Paired | 100+ hours | [Deployed Link](#) | [Repo Link](#)   **NextJS, TypeScript, Tailwind, PostgreSQL,**
Chat application with custom authentication system and role-based permissions   **Prisma ORM, Pusher.js**
- Engineered a custom authentication (JWT, argon2) and Google OAuth integration
- Implemented real-time messaging using WebSockets (Pusher.js), enabling instant communication
- Developed a permission system between registered and guest users with limited feature access
- Currently implementing E2E testing with Cypress to ensure application reliability

FruitWise Solo | 40 hours | [Deployed Link](#) | [Repo Link](#)   **React, Router, Cypress, CSS**
React application enabling users to log fruit intake and receive nutritional breakdowns
- Implemented searching, filtering, favoriting, and logging fruits through React hooks
- Thorough E2E testing performed through Cypress including responsive design and error handling
- Nominated for and won school-wide demo competition judged by 3 industry experts

Stacks Records Team | 30 hours | [Deployed Link](#) | [Repo Link](#)   **Express, Knex, PostgreSQL, React**
Full Stack album sharing project with Google Authentication   **Router, Cypress, OAuth**
- Integrated PostgreSQL for data management, and used Knex and Express for database interactions
- Implemented OAuth authentication to securely manage user access in our database
- Constructed a Express server with CRUD operations requiring user authentication

PROFESSIONAL EXPERIENCE

Pure Shenandoah, *QC Manager*, Harrisonburg, VA   2021 - 2023
- Oversaw production lines for all 4 departments, maintaining compliance with VDACS standards
- Ensured all products met necessary testing requirements through coordination with Green Analytics VA
- Developed a non-product inventory tracking system, streamlining expense monitoring and reordering
- Implemented communication channels using Discord and ClickUp, significantly improving operational efficiency and departmental coordination

EDUCATION

Turing School of Software and Design, Denver, CO   March 2024 - Sept 2024
- ACCET Software Engineering Certificate — Frontend Engineering
- Developed proficiency in React, JavaScript, TypeScript, Cypress, HTML, and CSS