Hunter Chen

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Key Skills

- **Languages**: TypeScript, JavaScript, Rust, Python, Java, C, C++, HTML/CSS, SQL (Postgres & SQLite)
- **Technologies**: ReactJS, Next.js, Vite, TailwindCSS, Nodes.js, GraphQL, Docker, AWS

Work Experience

Software Engineering Intern | Geneial   Jun. 2024 - Present
- Developed reusable React and React Native components with TypeScript for web and mobile
- Utilized AG Grid library to efficiently display data, improving application load speed by up to 40%
- Spearheaded migration of core web app from Create-React-App to Vite, reducing build times by up to 78%
- Implemented optimizations to CI/CD pipeline, reducing overall deployment time by over 66%
- Added multilingual (i18n) support to mobile app, organizing 900+ UI strings into maintainable modules

Contract Web Developer | Morado Development   Mar. 2024 - Jun. 2024
- Developed responsive React/Next.js/Tailwind web applications based on Figma designs
- Leveraged Firebase for authentication and handling image upload/storage for 200+ users and 900+ images
- Built and deployed websites for multiple small businesses, achieving 95+ SEO scores on Lighthouse

Contract Frontend Engineer | aramid.finance   Jan. 2022 - Sep. 2022
- Converted Figma designs into TypeScript React (Next.js) web apps with Zustand and Tailwind
- Implemented optimizations of landing webpage, reducing load time by up to 72%
- Integrated Cloudflare and Netlify into CI/CD pipelines for web application and page deployments
- Built PostgreSQL usage-tracking database and integrated GraphQL API to streamline frontend data access

Volunteering

Hack Western - Western University's Flagship Hackathon | hackwestern.com   Apr. 2024 - Nov. 2025
- Organizer for Western University's flagship hackathon with 400+ hackers and 2000+ applicants
- Web developer for Hack Western 11 (2024) and web team lead for Hack Western 12 (2025)
- Created CI/CD pipeline to check code style consistency, build applications & database, and run tests
- Integrated ShadCN UI library, created internal review dashboard, and implemented email automation

Projects

deChess - Peer-to-Peer Chess Platform | React, JavaScript   github.com/deChess/deChess
- Designed and co-created a decentralized chess web app, receiving $11,000 in prizes and grants
- Leveraged React, Ant Design UI and Chessground libraries to build a simple and responsive chessboard UI
- Employed the Streamr Network SDK in JavaScript to facilitate real-time peer-to-peer exchange of chess moves, clock times, and chat messages, with sub-200 ms latencies

WaveFormer - Image Parameterization Tool | Rust   github.com/hunterchen7/WaveFormer
- Implemented the Canny edge detection algorithm, a modified DFS algorithm and discrete Fourier transformations in Rust to detect and convert lines in images into parametric equations

Viewr - Multithreaded Prefetched Fast Image Viewer | C++, Qt   github.com/hunterchen7/viewr
- Developed high-performance image viewer using Qt for smooth panning, zooming and navigation
- Implemented multi-threading to prefetch and cache decoded images, using an LRU eviction policy

Education

- **Western University** | Honours BSc. Computer Science   Sep. 2022 - May 2026
  - **Extracurriculars:** Hack Western Organizer, Google Developers Student Club, Western Climbing Club