Joseph Laurent Krueger

teleion Product Marketing Manager

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🎓 EDUCATION

University of Washington (Seattle campus)   December 2024

B.S. Computer Science, Minor in Business   GPA: 3.70/4.0
    President and Co-founder of Clearvote, Algorithmic Trading Club, Salsa Club, UW Farm

</> EXPERIENCE

Clean Power Research, Software Engineering Intern 🔗   June 2024 — October 2024 | Bellevue, WA
- Designed and implemented a scalable, fault-tolerant, **.NET** app that inserts charts into PDFs via dependency injected data
- Extended existing orchestration infrastructure with **AWS Lambda** to connect with a containerized **Node.JS** app
- Designed new charts generated for on-demand reports in under 5 seconds used by HVAC contractors across the country
- Wrote technical documentation and automated tests for debugging and monitoring to a production-ready coding standard

Clearvote, Co-founder 🔗   August 2023 — Present | Seattle, WA
- Founded a student-run non-profit developing a cross-functional, open-source **Next.js** application deployed through AWS
- Deployed a throttled, high availability **RESTful API** supporting over **over 3000 users** during a critical usage period
- Setup a **DynamoDB** NoSQL database leveraging web-scraped candidate data enriched with finetuned GPT-4o metrics and state geodata boundaries to provide localized election information across the state of Washington
- Leading prioritization of dependency management, user research, security, cloud architecture and code quality

MCG Health, Software Engineering Intern 🔗   June 2023 — September 2023 | Seattle, WA
- Worked on the CareWebQI Team to overhaul an In-patient diagnostic and perscritption tool used by **2,800 hospitals**
- Migrated from a deprecated version of **Angular** to work with a **.NET Core** backend
- Created a CI/CD pipeline in **Azure** for automated testing and deployment
- Added auto-completion and code lookup support for **70,000 medical care guideline codes**
- Applied agile project management principles in cross-team sprint planning sessions with **Confluence** and **JIRA**

The University of Washington, Teaching Assistant 🔗   January 2023 — June 2023 | Seattle, WA
- Led bi-weekly instructional quiz sessions and wrote exam questions for a new intro computer science course (CSE 122)
- Held office hours and individual tutoring for challenging topics of an upper-level systems programming class (CSE 351)
- Drafted grading policy for homework, midterms, quizzes, and exams

📁 PROJECTS

DubHacks Hackathon, illustrAItor — Winner 🔗   October 2022
Unsuccessful Music Career, Spotify Album 🔗   September 2020 — July 2021

🗄 SKILLS

Business & Strategy: User Research, Digital Marketing (Meta Ads Manager, influencer outreach)
Mobile Development: Cross-platform development (Flutter/React Native), SEO, Responsive design, Tailwind CSS
Project Management: Software Development Lifecycle, Agile Methodology, Sprint planning, Jira, Confluence
Dev Tools: Git, Shell scripting (Bash, PowerShell), gdb
Languages: Python, Java, C#, C, C++, Dart, R, JavaScript, TypeScript