Joseph L. Krueger

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Education

Computer Science (B.S.) & Business   **Expected Graduation: December 2024**
University of Washington   Seattle, WA
- Upcoming Coursework: Natural Language Processing, Distributed Systems, Algorithms
- Current Coursework: Data Structures, Parallelism, Stats, Machine Learning, Database Management Systems

Work Experience

Software Engineering Intern   **June 2023 to Present**
MCG Health — CareWebQI Team   Seattle, WA
- Revamped an Angular app used by 2,800 hospitals for product demos.
- Enhanced the system to support 70,000 medical care guideline codes, delivering dynamic results.
- Transitioned from outdated AngularJS, introducing a robust code-lookup feature and input validation.

Computer Science Teaching Assistant   **January to June 2023**
CSE 122, 351 — The University of Washington   Seattle, WA
- Drafted, graded, and supervised exams/homework for both a new introductory course and upper-level systems class
- Conducted bi-weekly instructional sessions, achieving high student performance and consistent attendance.
- Offered individual tutoring post-classes, adapting subsequent lessons to address challenging topics.

Restaurant Service Industry   **September 2017 to January 2022**
Benihana (Santa Monica, CA), others   Various Locations
- Worked in front-of-house in various roles, enhancing guest experience and boosting operational efficiency.
- Led bar and menu revisions in a high-volume restaurant, handling over $15,000 in nightly sales.
- Built long-lasting relationships with customers and addressed operational inefficiencies to elevate service standards.

Projects

Founder   **May 2023 to Present**
ClearVote   clear-vote.org
- Developing a web app to help the public stay informed on off-cycle elections and the candidates running in them.
- Engineered prompts to compile candidate data from voter pamphlets and geodata from 2751 Seattle voting precincts.
- Restructured the app for deployment and wrote the algorithm that ranks candidates on political stances.

Dempsey Startup Competition   **March to May 2023**
AutoDubbs   autodubbed.com
- Competed as one of the top 32 teams, chosen from a pool of over 100 participants.
- Delivered a live demo of the project's functionality in person to a rotating panel of over 200 industry judges.
- Wrote an 8-page business proposal, UML diagrams, and the architectural design of the code base.

DubHacks Hackathon — Winner   **October 2022**
illustrAItor   DevPost project link
- Achieved finalist status at the national collegiate hackathon hosted by the University of Washington.
- Ranked among the top 9 teams out of 455 participants and presented to a panel of six judges.
- Led coding decisions, proof-of-concept, application prompts, the presentation script, and engagement with the judges.

Independent Music Album   **September 2020 to July 2021**
everything always works out in the end   Spotify — Apple Music
- Independently composed, recorded, mixed, and released a 7-track album.
- Developed a songwriting standard by analyzing over 2,000 compositions to guide creative direction.
- Self-recorded various instruments including guitar, piano, and bass, with editing and FX applied digitally.

Skills

Software Development:	Java, Python, TypeScript, React, Angular, Flask, .NET Core, Node, Bootstrap, JQuery, SQL, Selenium, GNU Debugger (x86-64).
Cloud Services:	Firebase, Google Cloud Run, Docker, Microsoft Azure, GitHub.
Other Skills:	Figma, Scaled Agile Framework, Jira, Asana, Managerial Accounting, Design Patterns, Adobe After Effects, Logic Pro X, Ableton Live 9, Final Cut Pro