

# Joseph L. Krueger

 Website |  [linkedin.com/in/jkru3](https://www.linkedin.com/in/jkru3) |  [jkru3@cs.washington.edu](mailto:jkru3@cs.washington.edu) |  360-763-3490

## 1 Education

### Computer Science (B.S.) & Business

University of Washington - Paul G. Allen School of Computer Science

**Graduating Dec 2024**

Seattle, WA

- NLP, Distributed Systems, Systems Programming, Computer Security, Statistics, Discrete Math, Data Structures, Data Management (SQL and NoSQL), Data Visualization, Management, Accounting, Information Systems
- President and Co-founder of Clearvote, Salsa Club, UW Farm, Algorithmic Trading Club, 3.69 GPA

### A.A.S. Transfer Degree

Whatcom Community College

**Jan – Aug 2022**

Bellingham, WA

- Programming Club

### A.A. Liberal Arts

North Hennepin Community College

**Aug 2015 – Jun 2016**

Brooklyn Park, MN

## 2 Projects

### Founder

Clearvote

**Jul 2022 – Current**

[clearvote.info](https://clearvote.info)

Leading weekly stand-up meetings, security, company branding, and communications for a student run startup and non-profit. Developed a state-wide scalable web scraper with Puppeteer that feeds political statements into ChatGPT for sentiment analysis, adding metrics to a relational database through MySQL. Deployed an MVP with a Flask back-end on an EC2 instance with AWS.

### DubHacks Hackathon

illustrAltor

**Oct 2022**

[devpost.com/software/illustraitor](https://devpost.com/software/illustraitor)

Implemented a Python app that makes picture books out of novels with AI generated images. Ranked one of the 9 winning teams out of 455 participants and presented to a panel of six judges at a national collegiate hackathon.

### React Application

ClearVote

**Jul 2022 to Current**

<https://github.com/orgs/clear-vote/repositories>

- A React.js app intended to utilize an API fetch to retrieve information on local election candidates
- Users take a short survey on about 20 political values and then are shown where candidates stand in relation
- Designed with the intent of creating as few pain points as possible through a simple, two-page interface

### Youtube channel

The Radical Normal

**July 2021 to Current**

[youtu.be/JL9NPzYKlw8](https://youtu.be/JL9NPzYKlw8)

- Long-essay format videos discussing creative solutions to modern issues

### Musical Album

everything always works out in the end

**September 2020 to July 2021**

[Spotify](#), [Apple Music](#)

- Analyzed over 2000 compositions to create a songwriting standard as a guideline for a creative direction
- Composed, recorded, mixed, and released a 7-track album independently
- Played guitar, piano, bass, and percussive elements in addition to various digital editing and FX usages

### 3 Skills

**Technical Skills:** Java 8, JavaScript ES6, HTML, CSS, Bootstrap 5, React.js, C, Vim, Figma, Adobe Creative Suite, Canva, UX design, Git, GitHub, Gitlab, Ubuntu Linux, Bash Shell, LaTeX.

**Other Skills:** Social media marketing, Music and Audio production with Logic Pro X and Ableton Live 11, Video production with Final Cut Pro, VFX and animation with Adobe After Effects, Public speaking, Weed control, Gardening, Fencing, Carpentry, Painting, Personal Protective Equipment and Safety standards, Experience providing emergency care (Lifeguard rescue and First aid), Able to consistently lift over 50lbs, B1 Spanish Proficiency.

### 4 Work Experience

#### Community Volunteer

UW Farm

**September 2022 to Current**

Seattle, WA

- Led volunteer efforts in agricultural activities including weeding, planting, harvesting, watering, and pest control.
- Cultivated 54 crop varieties sold to the UW dining halls and through a Community Supported Agriculture program.
- Collaborated with leadership to foster engagement in weekend volunteer initiatives, driving community involvement.

#### Software Engineering Intern

MCG Health

**Jun 2023 – Sep 2023**

Seattle, WA

Migrated from a deprecated version of Angular to work with a .NET Core back-end for an app used by 2,800 hospitals in product demos. Added auto-completion and code lookup support for 70,000 medical care guideline codes. Set up a continuous integration and deployment pipeline in Azure. Employed agile project management principles in cross-team sprint planning sessions during scrum meetings with Jira and Confluence.

#### Computer Science Teaching Assistant

CSE 122, 351; The University of Washington

**January to June 2023**

Seattle, WA

Led bi-weekly instructional quiz sessions and wrote exam questions for a new introductory computer science course. Held office hours and individual tutoring for an upper-level systems programming class, adapting subsequent lessons to address challenging topics. Drafted grading policy for homework, midterms, quizzes, and exams.

#### Student Life Leader

Whatcom Community College

**June 2022 to September 2022**

Bellingham, WA

- Employed while enrolled part-time in summer classes
- Wrote excel scripts that helped track over 800 pounds of donations to the WCC food pantry
- Created colorful designs for flyers using Figma and issued them around campus to promote Student Life events

#### Restaurant Service Industry

Benihana (Santa Monica, CA), others

**September 2017 to January 2022**

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.

### **Server/Bartend**

K-pop Korean Fried Chicken

**August 2021 to March 2022**

Bellingham, WA

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### **Farmhand**

Bobbi's Farm

**June 2022 to September 2022**

Bellingham, WA

- Independently removed weeds, sorted for either compost or disposal
- Added fence posts, cleaned solar panels, painted, and mulched saplings
- Pruned back trees and bushes and laid weed barriers around tenant properties

### **Mill Work**

Silva Star Lumber Mill

**October 2021 to November 2021**

Bellingham, WA

- Worked outdoors with a small team to deliver orders of lumber cut to a specific length
- Sanded and Pulled lumber into carts for shipment
- Diligently alerted team members of hazards and upheld safety protocols

### **Bartender**

B-Town Bar and Grill

**2019 to April 2020**

Bellingham, WA

### **Bartender**

The Well

**2019 to 2019**

Los Angeles, CA

### **Server/Bartend**

Benihana

**May 2016 to March 2018**

Minneapolis, MN; Santa Monica, CA

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### **Produce Department**

Target

**September 2015 to May 2016**

Roseville, MN

- Took daily inventory and rotated various produce products in a refrigerated environment
- Identified produce that was fit for sale and culled produce that was no longer fresh
- Worked continuously during busy hours to keep the market stocked

### **Server**

Minneapolis Golf Club

**2015 to 2015**

Minneapolis, MN

### **Delivery Driver**

Jimmy John's

**20—**

Maple Grove, MN

### **Server**

El Bamba Mexican Restaurant

**20—**

Spring Lake Park, MN

**Guitar Instructor**

Maple Grove Community Center

**2014 to 2016**

Maple Grove, MN

**Lifeguard**

Maple Grove Community Center

**2012 to 2016**

Maple Grove, MN

## 5 Volunteer Work

**Programming Club**

Whatcom Community College

**February 2022 to July 2022**

Bellingham, WA

- Discussed personal projects and current tech-related events
- Made friends with students outside of class who share a similar interest in software development and engineering
- Learned how to utilize GitHub to collaborate remotely with other club members

**Community Garden Volunteer**

Chuckanut Center

**November 2021 to September 2022**

Fairhaven, WA

- Helped with weeding, composting, planting, and harvesting
- Shared ideas about gardening, self-sufficiency, and environmentalist concerns with community members
- Introduced new volunteers and helped to foster a fun learning environment for everyone