

# Joseph Laurent Krueger

## Software Engineer

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### EDUCATION

**University of Washington (Seattle campus)** *Graduated with 3.70 GPA* B.S. Computer Science, Minor in Business  
President and Co-founder of Clearvote, Algorithmic Trading Club, Salsa Club, UW Farm

*Featured Coursework:* Algorithms, Computer Security, Data Structures, Distributed Systems (Paxos), Hardware/Software Interface, Natural Language Processing, Parallel Computing, Software Design & Implementation, Systems Programming, Statistics, Accounting (with Excel), Management, Marketing

### PROFESSIONAL EXPERIENCE

**Clean Power Research**, Software Engineering Intern

December 2024 | Seattle, WA

- Worked on the WattPlan team to develop an app that inserts charts into PDFs using dependency injected data in .NET
- Deployed existing orchestration infrastructure through AWS Lambda to connect with a containerized Node.JS app
- Designed new charts to generate on demand reports in under 5 seconds used by HVAC contractors across the country
- Wrote unit tests, integration tests and technical documentation following a strict, production-ready shipping standard

### SKILLS Technical

Python, Java, C#, C, C++, Dart, R, HTML, JavaScript, TypeScript, Flutter, Flask, .NET 8, Next.js, React, Vue, AngularJS, MySQL, Docker, Podman, Git, GitHub, AWS (CDK, Lambda, DynamoDB, EC2, S3, RDB, Amplify), Google Cloud Platform, PyTorch, TensorFlow, Puppeteer, Selenium, Tailwind CSS, D3, Tableau, Highcharts, Figma

### Conceptual

UX/UI, Data visualization, Web Scraping, Object-Oriented Language Design Patterns, Software Development Lifecycle (SDLC), Agile Methodology, Supervised Machine Learning, Large Language Models (LLMs), Search Engine Optimization (SEO), Containerization, CI/CD Pipelines, Cookie security / Cross-Site Scripting, SQL Injection, IAM Resource Management

### PROJECTS

**Dempsey Startup Competition**, AutoDubs — Semi-Finalist

March 2023 – May 2023

**DubHacks Hackathon**, illustrAltor — Winner

October 2022

**Unsuccessful Music Career**, Spotify

September 2020 – July 2021