Anna Kudriavtsev

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Education

University of Illinois at Urbana-Champaign – Bachelor of Science, Computer Engineering   **May 2024**

Grainger College of Engineering, 3.71/4.00 technical GPA

Experience

The Trade Desk – Software Engineering Intern – Seattle, WA   **March 2022 – August 2022**
- Designed and built testing framework and CLI tool for production tests of the Attribution data analytics stack
- Wrote testing workflows for this framework to verify correctness and performance of new revisions
- Delivered project and presentation to lead engineers; documented work for handoff to the Attribution team

CASTUS Corporation – Engineer Intern – Issaquah, WA   **December 2018 – August 2021**
- Led development of serverless backend for two generations of video-on-demand apps on Roku OTT boxes
- Created interface hardware in KiCad to trigger video playback with relay signals for cruise ship TV channels
- Designed and prototyped Nix/Ruby-based digital signage player and web-based remote management system
- Completed PostgreSQL to MongoDB conversion for video-on-demand service with team of three engineers

Bloomz, Inc. – Software Testing Intern – Redmond, WA   **February 2018 – August 2018**
- Performed regression testing of 6 new versions of parent-teacher communication app before releases
- Managed tickets and provided support to 50+ clients for technical issues, billing, and other fields

Issaquah School District – Developer Intern – Issaquah, WA   **March 2017 – June 2017**
- Developed full-stack solution including backend, database schemas, and UI for 2 EdTech Rails applications

Activities

Advent of Code – Programming Competition – Online   **December 2018 – December 2021**
- Participated in a yearly 25-day worldwide puzzle-solving competition with time-based scoring
- Placed 7 times in the top hundred out of 400,000+ participants, primarily using Ruby

Inexpensive Computers – Personal Business – Hardware Design   **September 2016 – Ongoing**
- Owner and primary engineer of a small mechanical keyboard company
- Designed in KiCad, prototyped three versions, promoted, and sold an open-source numpad and macro-pad
- Set up and managed an online store; processed purchases and bookkeeping

Project Highlights

Most of my personal projects are public on GitHub. I frequently contribute to open source projects.

QBot – Chat Service Application – Community Management Automation   **September 2019 – Ongoing**
- Created and maintained a utility and automation Discord bot using the discord.rb framework
- Used by 20+ communities with over 13,300 users total

Honors

- **James Scholar** – Special distinction for high GPA and honors class participation
- **Honors Lab Accelerator** – Open-ended engineering design project for honors students

Skills

Languages: Ruby, Nix, Haskell, C, Python, Bash, JavaScript/TypeScript
Tools: Vim, bash, Linux (NixOS, Red Hat, systemd, general administration skills), KiCad, Fusion 360
Systems: Ruby on Rails, Sinatra, NodeJS, Serverless; Microsoft SQL Server, Vertica
DevOps: Nix, Git, GitHub CI/CD, GitLab CI, Amazon Web Services (S3, API Gateway, Lambda, CloudWatch)
Languages (spoken): English (native), Russian (native), Toki Pona (fluent), Japanese (beginner)