Anna Kudriavtsev

they/them | https://ap5.dev | (425) 312-3766 | anna10@illinois.edu | github.com/anna328p

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 framework to automate production testing of the Attribution data analytics stack
- Saved 5-6 hours per code change through early detection of performance and correctness regressions
- Delivered and presented project to lead engineers; documented work for handoff to future developers

CASTUS Corporation – Engineer Intern – Issaquah, WA   **December 2018 – August 2021**

- Led development of two generations of Roku VOD apps for 100+ clients, using Ruby on AWS Lambda
- Created interface device for cruise ship TV stations, linking relay signals to playback control, using KiCad
- Designed and prototyped digital signage player and web-based control system in Ruby with Nix/NixOS
- Completed PostgreSQL to MongoDB migration for 200+ Cloud VOD clients 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 2 full-stack EdTech web apps, including Rails-based backends, frontends, database schemas

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**

- Founded and managed a small business designing hardware for custom mechanical keyboards
- Developed design and three prototypes of numpad product, including PCB (KiCad), case (Fusion 360)
- Established and maintained a web store; responsible for marketing, order fulfillment, bookkeeping

Project Highlights

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

QBot – Messaging Service Integration – Community Management Support   **September 2019 – Ongoing**

- Designed, built, and maintained a large Discord app (bot) providing tools for admins and groups
- Used by 87+ communities, with over 27,250 total users

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, Rust, Python, Bash, JavaScript/TypeScript
Tools: Vim, Linux system administration (NixOS, Red Hat, Debian), KiCad, Fusion 360, FL Studio
Systems: Ruby on Rails, Sinatra, NodeJS, Serverless; PostgreSQL, Microsoft SQL Server, Vertica, MongoDB
DevOps: Nix, Git, GitHub CI/CD, GitLab CI, Amazon Web Services (S3, Lambda, CloudWatch)
Languages (spoken): English (native), Russian (native), Toki Pona (fluent)