

Anna Kudriavtsev

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Education

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | BS COMPUTER ENGINEERING

MAY 2024

Grainger College of Engineering, 3.71 technical GPA

Notable classes: Intro to Computing (A) Comp. Systems and Programming (PZ) Digital Systems Laboratory (exp. B)

Experience

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 Rails applications
- Designed a centrally-managed database of EdTech tools for use by educators and administrators
- Created and maintained a tool for managing inventory of educational hardware owned by ISD

Activities

ADVENT OF CODE | PROGRAMMING COMPETITION

DECEMBER 2018 - 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
- Ran 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

SEPT. 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, Verilog, SystemVerilog, JavaScript, TypeScript

Tools / Frameworks: Nix, Git, GitHub Actions | Nixpkgs, Rails, Sinatra, NodeJS, Express, Serverless

Software: Vim/Neovim, tmux, JetBrains, VS Code, bash/zsh, Linux, NixOS, KiCad, Fusion 360, FL Studio

Languages (spoken): English (native), Russian (native), Toki Pona