Fuad Veliev

Computer engineering, undergraduate

Matrix   Email   PGP   GitHub   ArchWiki   OSM

Greetings! The first part of this resume is a short free-form narrative, something I would be interested to read about my potential colleague. The second part is a more traditional bullet-list skeleton of my skills and activities. This resume is also available in PDF.

Narrative

My interests mainly emerged from math. Math shapes the way I think about computers and programming, if not how I reason overall. I enjoy solving an occasional puzzle and participating in math-related events.

These interests are shaped by my curisoity. Be it a new finding or environment, I dig deeper or find related acquaintances, respectively. This is how I learned about Linux, consequantly writing an article on the application of ML in kernel design as part of my creative assignment. I also maintain a handful of articles on the Arch Linux Wiki.

I enjoy robust and relatively simple code, which not only accomplishes its objective, but does it in a correct, efficient, and easily explicable way. I am allergic to monstrous complexities and prefer doing things step-by-step, even beyond programming. See swaysensor for an example of program I wrote that represents this approach.

I love contributing to open communities. Contribution is an enjoyable act by itself, but I also make sure to maintain my initial inputs. For a while, I volunteered at a laptop repair service, where I assisted in diagnosing and fixing motherboard defects. My current user contributions include my activity on ArchWiki and OpenStreetMap (OSM).

Education

- 2025 — 2029, B.S. in Computer Engineering *(first year)*
  University at Buffalo, New York, United States

Skills

- **Languages**: C (fluent), Rust (beginner)
- **Tools**: Vim, Git, GCC, Make, Bash, Coreutils
- **Misc. experience**: systemd, SQLite, LaTeX, Microsoft Office

Projects and Contributions

- **swaysensor**: An efficient integration of `iio-sensor-proxy` for window managers, written in C. Supports orientation, tilt, ambient light, and proximity updates.
- **lmsti**: A small Python bot for communicating with LM Studio through Telegram, made for my friend.
- **ArchWiki** *(contrib.)*: Article maintenace.
- **OpenStreetMap** *(contrib.)*: Polling and inclusion of nodes to the map.

Experience

Technic Bar   *Jul 2024 — Mar 2025*

At Technic Bar, I helped with diagnostics and repair of laptop motherboards, and performed quality tests afterwards. My patient diligence in studying schematics and my communication skills helped me become a valuable assistant in this concurrent process.

Mathematics tutor   *May 2021 — Feb 2023*

As a high school math tutor, I tried my best to deliver relevant knowledge in a clear and friendly manner. This experience significantly improved my communication and speaking skills. I created and assessed personalized homework assignments. Taught a total of five students.