Alisa Dammer

Data Engineer, Front End Developer

✉ alisa.dammer@gmail.com
🏠 Wördemanns Weg 4
22527 Hamburg, Germany
📱 +4917680767743

About me

My single biggest interest is data analysis. Most of all I am fascinated by neural networks and their usage in different spheres, especially computing financial forecasts. During my first bachelor I have gained a sufficient theoretical background in mathematics and statistics which allows me to work in scientific contexts without difficulties. During my second bachelor I have gained a solid set of programming skills.

I love learning new things, even if they are not directly connected to my major interest. One of my side interests is building and programming small robots. Another interest of mine is digital photography and photo manipulation. Another important part of my life is sport: I like dancing, working out, snowboarding and I am open to the new sport arts.

I am an easy going person able to work in a team as well as alone. While working in a team, I especially like brain storming sessions since during those you get to know people better than during casual situations. While working alone on the project, I like feeling responsibility and freedom to choose most appropriate way to finish the task.

Technologies

- Data analysis: regressions, statistic test
- Data visualization: d3.js, matplotlib
- Embedded programming Arduino
- Game development: python sfml, lua love2d, javascript with phaser.js, panda.js
- Graphic design: krita, gimp, photoshop

Skills

- Natural languages: Russian (native speaker), German (fluent), English (fluent)
- Programming languages (skill descending order): Python, R, JavaScript, Lua, Java
- Markup languages: HTML, CSS

- SQL (mariadb, postgres)
  - Additional technologies: git, Trello, Zenhub, Slack, Asana

Projects

  - **Hunger Games**: A game I made during BaconGameJam (Phaser JS).
  - **Mother Russia**: A game about stereoptypes (Phaser JS, Krita)
  - **Python vs R on an simple statistical example**: Second bachelor thesis
  - **Simple CPU**: simple CPU written for a university project using MyHDL
  - **Hyper Okagon**: A game for local game jam. Here I did the graphics. You can play the game on:game and the code can be found on:github

Education

Gymnasium №3, Novosibirsk, Russian Federation (1997-2007)

Novosibirsk State University, Economical Department, Economics (2007-2011)

The bachelor thesis consisted in proving that classical portfolio models are ineffective on modern Russian stock exchanges. Thus I suggested an adopted approach for choosing the portfolio for a private investor.

University Hamburg, MIN faculty, Information Systems study (2011-2015)

The goal of my second bachelor thesis was to check what language is more suitable for an econometric task written on the beginner level. Python and R were chosen for comparison, since these two languages are heavily used by both scientific and non-scientific communities. To answer this question I have written two identical Programs (with respect to the language's features and idiomatic style) in Python and R and have run performace and memory usage tests. I have also compared subjective usability (ease of use, documentation quality, community) of the langages.

Experience

Everbase AG (2015-05 – 2015-08)

Graphics manipulation, design

Eversolve (2015-08 – ongoing)

Front end developer (Angular.js, Bootstrap)