Anna Mikhailova

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EDUCATION

Constructor University (former Jacobs University Bremen)	**Bremen, Germany**
B.Sc. Computer Science, GPA 1.79 (1.0 being best)	*July 2022 — June 2023*
National Research University Higher School of Economics	**Saint-Petersburg, Russia**
B.Sc. Applied Mathematics and Computer Science, transferred to Jacobs University	*August 2019 — June 2022*

- **Completed Relevant Courses**:
  Computer Science: Algorithms and Data Structures, C++, Python, Java, Computer Vision, Machine Learning
  Maths: Linear Algebra, Graph Theory, Calculus, Probability Theory, Mathematical Statistics

EXPERIENCE

- **Google**   **London, UK**
  Software engineering internship, Google Research, Population Health team   *July 2023 — September 2023*
  – Automated patient cohort definition using Clinical Quality Language code generation for internal use
  – Integrated a code generation into the pipeline with Google Cloud and BigQuery for convenient results observation
  Stack: Java, proto, SQL, Google Cloud Platform, BigQuery, Python, Fast Healthcare Interoperability Resources (FHIR)

- **JetBrains**   **Munich, Germany**
  Software engineering internship, Fleet UI team   *December 2022 — June 2023*
  – Incorporated code review UI functionality into the Fleet IDE
  – Implemented an UI for code reviews including timeline visualization, file diffs, and inline comments
  Stack: Kotlin

- **Google**   **Zurich, Switzerland**
  STEP internship, Google Shopping, Content API team   *August 2022 — October 2022*
  – Launched to production a new API method in Content API
  – Integrated a new quota management system, enhancing thousands of users' experience during peak shopping seasons
  – Developed an internal web tool for manual quota allocation, increasing team productivity and operational efficiency
  Stack: Java, Kotlin, proto, SQL, Typescript, HTML

PROJECTS

- **Samwise library**   *October 2021 – January 2022*
  Python library with pandas interface for big data analysis with minimal RAM usage
  - Explored various data analysis libraries in terms of memory consumption and running time
  - Developed algorithms for data analysis with minimal usage of RAM
  Stack: Python, pandas

- **Bank ledger with server**   *August 2021*
  Console bank application with TCP-server
  - Experienced in implementing concurrent algorithms and bringing parallelism to C++ projects
  - Implemented thread-safe user transaction monitoring
  Stack: C++, Python, boost.asio

SKILLS

- **Programming Languages**:

  - *Professional experience:* Java, Kotlin, Python

  - *Extensive knowledge:* C, C++, SQL, Haskell, HTML, CSS, React, Typescript

- **Tools**: proto, Make, CMake, SVN, Git, Google Cloud Platform, BigQuery, Java FX, numpy, scipy
- **Communication**: English (*C1, IELTS 8.0*), Russian (*native*), German (*A2*), French (*A2*)

ACHIEVEMENTS

- 2023, my bachelor's thesis "Algorithm for finding orthologous immunoglobulin genes" led to a research collaboration with 10 bioinformatics scientists from top U.S. universities and a forthcoming publication

- 2022, awarded a JetBrains educational grant for transferring to Germany as one of the top Russian CS students