

# CAIO FLEURY

## CAREER SUMMARY

### Project Software Developer

*MSDK Research | Jun 2020 – Present*

Contributed to the conceptualization of LifeGuard AI-based, IoT product. Successfully pitched the product to potential investors, landing us a place in the PointIoT international call.

### Junior Software Developer

*Qoollo | Jul 2020 – March 2021*

Delivered custom-fit web servers and APIs and deployed web apps in docker.

### Manager of International Projects

*Kickidler | Apr 2019 – Nov 2019*

Automated the process of creating budget quotes by developing a document-generator app that creates custom quotes in 4 languages, ensuring faster response times to clients and a higher sales standard. Localised the company's software for the Brazilian Market by modernizing the company's partnership system. Provided custom sales pitches and on-demand IT support to international clients.

### Project Intern

*Qoollo | Jun 2019 – Jul 2019*

Provided a quantitative analysis of the error margin of different image recognition neural-networks. Developed a C++ based software that identified car license plates and models via a neural network.

## ACADEMIC HISTORY

### Goldsmiths, University of London

*Bachelor of Computer Science*

*2020 – Expected 2022*

### Bauman Moscow State Technical University

*Bachelor of Technology in Information Analytics & Political Technologies*

*2018 – Transferred 2020*

- Average of A+ in all Computer Science courses.
- 2 academic articles published via the University.
- 1st Place, Bauman Case Cup 2019.

## ACCOMPLISHMENTS

### 1st Place, European BEST Engineering Championship International Finals

*Board of European Students of Technology | Jul 2019*

As the team captain of Team Russia, I coordinated with my teammates to solve business cases presented by preeminent companies such as Fiat and Avia Aereo. We presented high quality solutions to the given challenges, winning first place not only in the international finals but at the local and national levels also.

### 1st Place, Bauman Case Cup

*Bauman Moscow State Technical University | Apr 2019*

During this Moscow based Case Study championship I, as team captain, successfully led my team to victory by presenting a pitch-project for a ML based surveillance system. Our project gained the final score of 100/100 points by the evaluation of the judges of the tech company CROC.

### Publication, Fairness and Bias in Machine Learning

*Russian Scientific Center for Research of Problems of National Safety | Apr 2019*

In this short article, I review how the notion of Nash equilibrium based fairness can be applied to modern, machine-learning operated systems. Also analyzing the biases and shortcomings of the common word-embedding algorithms such as word2vec.

[Link to article.](#)

## PERSONAL SUMMARY

Competent IT professional with proven experience in Analytics, Web Dev, Software Engineering, Project & Database Management. I have strong technical and soft skills, enabling me to work with a wide range of clients and teams. I am eager to expand my knowledge and be challenged in order to further improve. My greatest passion is using my skills to turn problems into technological solutions that benefit people and organisations.

## PERSONAL INFORMATION

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Portfolio website: [caiof.github.io](https://caiof.github.io)

## LANGUAGES

Portuguese – Native

English – Full professional proficiency

Russian – Full professional proficiency

Spanish – Limited working proficiency

## PROGRAMMING LANGUAGES

JavaScript – Advanced

Python – Intermediate

Bash Scripting – Intermediate

HTML/CSS – Intermediate

C++ – Intermediate

SQL – Beginner

VBA – Beginner

## REFERENCES

Alexey Utkin

Head of Marketing Communication,

Kickidler

[o.rezepov@kickidler.com](mailto:o.rezepov@kickidler.com)

Denis Bekasov

Head of R&D Department,

Qoollo

[denis.bekasov@qoollo.com](mailto:denis.bekasov@qoollo.com)

## TECHNICAL SKILLS

Data Analysis  
Full-stack Development  
Database Management  
Modelling in IDEF0, UML & DFD  
GitFlow  
CI & CD  
Case analysis  
Research  
Translation  
Functional Programming  
Object Oriented Programming  
Tech Support  
Marketing  
UI Design  
Docker

## SOFT SKILLS

Teamwork  
Public Speaking  
Teaching  
Leadership  
Project Management  
Team Supervision  
Communication  
Scheduling  
Active listening  
Open-mindedness  
Adaptability  
Willingness to Learn  
Customer service  
Problem Solving

## TOOLS

Microsoft Excel, including Macros  
Microsoft Access  
MongoDB  
PostgreSQL  
Jupyter Notebook  
Ramus  
JIRA  
Trello  
Notion  
GitHub  
GitLab  
Heroku  
Travis CI  
Circle CI

## VOLUNTEERING HISTORY

### Software Engineer

*Board of European Students of Technology | May 2020 – Present*

- Developing of digital tools for the organization, such as a database manager and a chat bot.

### WebDev Mentor

*ImpactaJovem Brasil | Apr 2020 – Present*

- Teaching young students without financial means how to develop their first web app.

### Backend Programmer

*Camelot Inc. | Feb 2020 – Apr 2020*

- Contributing to the organization's discord based chat bot.

## CERTIFICATIONS & LICENSES

### Technical and Engineering Engagement in Modern Civilization

*UNESCO | Issued Nov 2018*

Credential ID UNDP 05973 | UNIDO 002352

### Russian as a Foreign Language

*Lomonosov Moscow State University | Issued Jun 2015*

Credential ID 022400043666 | Test result: 94%

### Test of English as a Foreign Language (TOEFL)

*Educational Testing Service (ETS) | Issued Jun 2020*

Credential ID 6330009202360788 | Test result: 95%

### Certification of Completion of the BRICS International School Program

*National Committee for Brics Research, Russia | Issued Aug 2019*

## PUBLIC PROGRAMMING PORTFOLIO

### Silicondzor – Built with Jupyter Notebook and React.js

[github.com/CaioF/Silicondzor](https://github.com/CaioF/Silicondzor)

Created during the Moscow hackathon CET-MIPT Hack. The web app uses a machine-learning model to analyze data from an oil mining operation and display relevant economical predictions to the end-user.

### BMSTU App – Built with React.js and Node.js

[github.com/CaioF/bmstu-app](https://github.com/CaioF/bmstu-app)

Web app created for the automatic generation of title pages in accordance with the regulations of the Russian Federation.

### BEST Bot – Built with React.js, Node.js & PostgreSQL

[github.com/LBG-Moscow/best-bot](https://github.com/LBG-Moscow/best-bot)

The main chatbot for the Local Board of European Students of Technology Group in Moscow, the bot services the organisation's social media groups VK and Discord.

### Kickidler App – Built with React.js, Node.js & MongoDB

[github.com/CaioF/kickidler-app](https://github.com/CaioF/kickidler-app)

Web app created for the automation of the process of generating custom budget quotes for international clients. Built with Node.JS, React.JS and MongoDB.

### Vector from File – Built with Node.js & Python

[github.com/CaioF/VectorFromFile](https://github.com/CaioF/VectorFromFile)

Local server app created to transfer a text file and generate a word vector map via the common embedding algorithm word2vec.