

Resume

Personal Information

- **Name:** Temur Chichua
- **Profession:** Software Engineer
- **Email:** contact@temurchichua.com
- **Location:** Tbilisi, Georgia
- **Github:** <https://github.com/temurchichua>
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Summary

Highly skilled and passionate software engineer with a proven track record of delivering impactful solutions. Proficient in Python, C/C++, and JavaScript/TypeScript, with expertise in frameworks such as Flask, FastAPI, React, and Node.js. Experienced in backend development and cloud computing on AWS, GCP, and DigitalOcean. Strong foundation in machine learning and natural language processing. Demonstrated success in leading development teams and collaborating cross-functionally.

In addition to being a highly skilled and passionate software engineer with a proven track record of delivering impactful solutions, Temur's exceptional achievements during his high school/student years set him apart as an accomplished innovator. A four-time winner of the national innovators fair Leonardo Da Vinci, finalist of the EU Contest for Young Scientists (EUCYS), and two-time winner and finalist of Intel ISEF, Temur's dedication to innovation and excellence is evident. His accomplishments also include being a finalist and winner of the Millennium Challenge, being recognized as '30 under 30' by Forbes in 2018, and being alumni of the Alliance of Democracies. Currently, Temur's expertise is sought after in building software solutions for Fortune 500 companies, further showcasing his commitment to making a significant impact in the tech industry.

Tech Skills

- **Programming Languages:** Python, C/C++, JavaScript/TypeScript
- **Frameworks/Libraries:** Flask, FastAPI, React, Node.js, Scrapy
- **Web Technologies:** HTML5, CSS3, RESTful APIs, GraphQL
- **Database Systems:** SQL, MySQL, PostgreSQL, MongoDB, Redis
- **Machine Learning:** TensorFlow, scikit-learn, Keras, PyTorch
- **Natural Language Processing:** HuggingFace, spaCy, NLTK
- **Data Processing:** Pandas, NumPy, Matplotlib, Seaborn
- **Computer Vision:** OpenCV, Pillow
- **Cloud Platforms:** AWS (Amazon Web Services), GCP (Google Cloud Platform), DigitalOcean
- **DevOps/Tools:** Docker, Kubernetes, Git, CI/CD, Cloud Build, GitHub Actions

Work Experience

ThirstySprout - Seattle, USA (Remote)

Software Engineer Jan 2022 - Sep 2022

- Researched, designed, implemented, managed, tested, and evaluated software programs.
- Worked on developing extensions for Mailchimp (Intuit) to integrate with Mixpanel and Twitch.

Software Engineer Jun 2022 - Present

- Develop and maintain full-stack software solutions.
- Engineered a scalable asynchronous system for data synchronization between Mailchimp and Mixpanel, handling millions of events per iteration.

Anima Chatbotics - Tbilisi, Georgia

Software Engineer Dec 2019 - Sep 2021

- Developed integration between the chatbot engine and Facebook Messenger using Flask API.
- Successfully delivered a service that connected Facebook pages to chatbots.
- Promoted to Software Engineer, responsible for engineering tech solutions and leading a small development team.

Co-Founder/CTO Sep 2021 - Feb 2023

- Played a pivotal role in securing the second wave of funding for the startup.
- Promoted to Lead Software Engineer and offered a position as the company's co-founder.

Ministry of Education, Science, Culture and Sport of Georgia - Tbilisi, Georgia

Chatbot Engineer Dec 2019 - Jan 2021

- Collaborated with a team of software engineers and narrative designers to develop educational tools for high school students.
- Worked on integrating and developing chatbots for educational purposes.

Development Team Lead Sep 2022 - Jan 2023

- Led a team of Back End developers in creating various educational tools and applications for students.

Education

San Diego State University

- Bachelor's degree, Electrical and Electronics Engineering
- 2016 - 2020

Komarovi Campus School (Physical Mathematical School)

- High School Diploma

Ilia State University

- Bachelor of Engineering - BE, Computer Engineering
- Mar 2022 - 2023

Public Engagement and Mentorship

TV, Radio, and Podcast Appearances:

The ART of the Artificial Intelligence - *Georgian Public Broadcaster [in Georgian] | November 4, 2022*

- URL: <https://www.youtube.com/watch?v=hZwuqyS7wD4>

What is Chat-GPT - *Daily Show at Mtavari Channel [in Georgian] | June 28, 2023*

- URL: <https://www.facebook.com/shenishuadgemtavartv/videos/1384490505445891/>

Artificial vs Human Intelligence - *“Interesting Podcast” by Marketer.ge [in Georgian] | February 5, 2023*

- URL: <https://soundcloud.com/marketerge/chatgpt-ai-vs-hi>

Dangers and Risks of the AI - *Morning Show at Formula [in Georgian] | May 9, 2022*

- URL: <https://www.facebook.com/watch/?v=762934918624695>

AI in our everyday life - *Rustavi 2 [in Georgian] | February 16, 2022*

- URL: <https://www.youtube.com/watch?v=gF7EE42OjSk>

Public Speeches:

- Talking about AI - Spotlight Tech Tbilisi | May 2023
 - Co-speaker: Luka Chkhetiani
 - Discussed AI’s possibilities, responsibilities, dangers, and ethics.
- Georgian Natural Language Processing - DataFest Tbilisi
 - Presented the NLP toolset and its applications for various research and analysis.
- Using Natural Language Processing against Fake News and Spread of Misinformation - Democracy Tech Entrepreneur Fellowship, June 2021 - Copenhagen, Denmark
- Share with one to share with many - TEDx Tbilisi, July 2015

- Emphasized the importance of sharing resources and knowledge for collective improvement.

As Trainer:

- TechCamp organized by Clevertone and TechPark - Zugdidi, Georgia | 11 August 2023
 - Conducted Series of lectures with High-School kids to raise awareness about AI and its applications.
 - Held a workshop on basics of data processing and Machine Learning.
 - Trained various Machine Learning models with the students.
- AI Week in TechnoPark - Telavi, Georgia | March 2023
 - Organized 5 days of lectures, workshops, and activities to raise awareness about AI.
 - Taught students the basics of Machine Learning and how AI works responsibly.
- Automate Boring Stuff with Python - Google Developers Group | December 2022
 - Conducted a lecture and workshop on data processing and automation using Google services.
- Open Lecture about Python - Ilia State University cyber-laboratory “Unilab” | November 2021
 - Introduced the audience to programming basics and facilitated a workshop on efficient Python coding.

Mentorship:

- TechStars Startup Weekend Georgia organized by Startup Georgia | December 2022
 - Provided mentorship during the startup event to foster entrepreneurial skills.
- Worked with High School teams to participate in and win local and international science fairs | 2015-2016

Other Projects

Machine Learning

1. Oraculum 0.1 (“Talking Avatars”) 2008 - an innovative Georgian AI endeavor featuring three conversational avatars with unique personalities, designed to revive the ancient art of oracles through AI technology and Georgian literature phrases. I’ve designed the Software Architecture of the project Trained and Fine-Tuned various AI models used to identify the features of the visitor and generate unique content. <http://gtarchive.georgiatoday.ge/news/12382/Georgian-AI-And-Literature>

2. Georgian Speech To Text - Wav2Vec2-Large-XLSR-53-Georgian
 - Fine-tuned Facebook/wav2vec2-large-xlsr-53 on Georgian using the Common Voice dataset.
 - Repository: Georgian Speech To Text
 - URL: <https://huggingface.co/Temur/wav2vec2-Georgian-Daytona>
3. BERT-based Georgian Language Model - Qartvelian Roberta
 - Developed a BERT-based language model for Georgian text processing.
 - Repository: Qartvelian Roberta
 - URL: <https://huggingface.co/Temur/qartvelian-roberta-base>

Scraping

1. QartNewSurfer - Scrapy-based web crawlers for Georgian Media Pages
 - Created web crawlers using the Scrapy framework to extract data from Georgian media pages.
 - Repository: QartNewSurfer
 - URL: <https://github.com/temurchichua/QartNewSurfer>
2. Common Crawler - CC scraper for crawling large amounts of Georgian Texts
 - Developed a scraper using Common Crawler to retrieve Georgian text data.
 - Repository: CommonCrawler
 - URL: <https://github.com/temurchichua/CommonCrawler>
3. MagicDump - Wikipedia dump file to pre-processed Text
 - Created a tool to preprocess Wikipedia dump files into usable text format.
 - Repository: MagicDump
 - URL: <https://github.com/temurchichua/MagicDumpWikipedia>

Language and Web Tools

1. QartNLP - Georgian Language Processing Open Source Tool
 - Contributed to the development of QartNLP, an open-source tool for Georgian language processing.
 - Website: QartNLP
2. SypteR - a simple front-end testing toolset for Python.
 - Repository: SypteR
 - URL: <https://github.com/temurchichua/sypter>