

Polina Gorbunova

Backend Software Engineer

EXPERIENCE

Teacher Assistant, De Anza College; Cupertino, Ca

January-May 2019

I was a teacher assistant for Object Oriented Analysis and Design. Developed flow charts, state/event diagrams, conceptual class diagrams. Tutored students individually and in groups.

PROJECTS

Movie app

Python, 2021

- Used The movie DB API to fetch information on various movies by popular, newly released, search requests.
- Implemented the backend CRUD operations with SQLite for saving movies to watch/watched list.
- Increased the loading speed by multithreading API requests to deliver high quality posters for multiple movies faster (from ~10 seconds to ~2 seconds).
- Developed frontend features (grid and slider for movie presentation, button updates) using Tkinter.

Android Weather Application 

JAVA, 2019

- Created an Android Weather App reading data in JSON from a website.
- Incorporated in the app the options of changing the location to show the weather.
- The app has the functionality to open GoogleMaps, copy location to the clipboard and share info via message.

Cursed Zombie Game, TeamLead of 6 

C++, 2019

- Implemented Object Oriented design developing the structure of the game. Used SFML library.
- Maintained detailed and accurate notes and documentation for various tasks.
- Got the best game award for the CIS29 class.

Backend for a car store webAPI

JAVA, 2018

- Created the project that implemented CRUD operations for car database.
- Server and client side of the API (using proxy design).
- Created self healing code, used multithreading, Tomcat.

EDUCATION

De Anza College; Computer Information Science Major GPA 3.98

2019-2021

Saint Petersburg State University of Aerospace Instrumentation; Management GPA 3.72

2011-2015

- Bachelor's Degree, graduated with Honors.

PUBLICATIONS

System design for choosing a location for opening a retail store using MATLAB Fuzzy Logic module.

Apr 13, 2015

SKILLS

Python, matplotlib, numpy, pandas, BeautifulSoup, Jupyter Notebook, tkinter Java, Tomcat, JavaEE, Eclipse, AndroidStudio, JDBC, JSP, Core Java), C++, STL, DBs, SQL, SQLite, PostgreSQL, JSON, regex, HTML, CSS, UNIX/LINUX/iOS/MacOS/Windows(CLI), Git.

Elmsford ct., Cupertino, Ca 95014

(916) 000 88 83

polina78.gorbunova@yahoo.com

<https://www.linkedin.com/in/pol-gorbun/>

<https://github.com/Gorbunova>