Fedor Semenov

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About

I am a driven Software Engineer, a fast learner, and an action-oriented thinker. I have proven experience in building statistical and machine learning models using Python. Most importantly, I am a lifetime chess player with a passion for using my software engineering skills to give back to the chess community and have fun while at it.

Skills

3 years in Python

- **Libraries:** Pandas, Tensorflow, Numpy, Flask, Qt, NLTK, HTTPS
- **Skills:** Machine learning, Statistical analysis, API Dev, Data pipelines, OOP, Data scraping, Microservices

Experience in C++, Javascript, React

- **Skills:** DSA, Pointers, Memory Management, Frontend development, Optimization

DevTools / Technologies

- Linux / Unix, Jira, Github, PyCharm, Venv, DigitalOcean, Cloud technologies, Scrum

Core Skills

- Team working, Problem solving, Innovation, Analytical ability, Responsibility, Curiosity, USCF 1800+

Experience

Sun West Mortgage Company, Inc. / Software Engineer

August 2022 - PRESENT, Remote

- Worked on a fast paced Scrum team to design, engineer, and deploy efficient React.js code.
- Employed excellent critical thinking skills to resolve urgent frontend production bugs.
- Developed a Python script to run tests on a Sentiment Model endpoint.

Quordata / SWE Intern

April 2021 - July 2022, Remote

- Developed a Twitter Spam Classification Model using Tensorflow that achieved 93% accuracy.
- Engineered an end to end data processing system which scraped, cleaned, and stored millions of Tweets.
- Used Python to automate a Kelly Criterion simulation which saved 100+ hours of human labor.
- Researched, tested, and deployed a Biterm Topic Model for Tweet topic recognition.

Airline Registration Service / Volunteer

July 2020- September 2020, Portland

- Developed a Python microservice to recognize available Covid evacuation flights for tourists in the US.
- Engaged a user first approach to create a social media notification chat which reached 1000+ active users.

Coding Projects

- Developed a statistical simulation using Pandas and Pygame which projected population infection trends.
- Programmed a 3D Cube Puzzle Solver using critical thinking and linear algebra techniques.
- Developed a public Discord bot using asynchronous Python and deployed on the cloud through Flask.

Education

Computer Science, Associates of Science - GPA 4.00

Portland Community College, Graduated June 2022

- Calculus, Linear Algebra, Differential Equations
- Linux, DSA, OOP, Design Patterns