

Viktor Chekhovoi

chekhovoi.com
Phone: +1-507-581-7113

github.com/viktorChekhovoi
Email: viktor.chekhovoi@gmail.com

Education

Carleton College

September 2019 -

- Overall GPA: 3.8
- BS in Computer Science
- Kellogg Scholarship Recipient

Kyiv Natural Sciences Lyceum

September 2015 - June 2019

- Top 1 ranked school in Ukraine
- Top 5% of the class

Work Experience

Software Engineer Intern at Caterpillar

June 2021 - August 2021, September 2021 -

- Contributed to **machine learning-driven application Foresight**, used to predict equipment failures.
- Developed a **key feature for early Foresight release** by using Docker, AWS ECS, and Autoscaling to filter out false positive risk predictions.
- **Led the development of a workflow** for machine learning model output processing, resulting in a simpler implementation, faster performance, and ~ 70% reduction in storage costs.
 - * Developed a **Dockerized application** and used AWS ECS and Eventbridge to automatically ingest new output when uploaded to S3 and store it in an **Apache Hudi database**.

Academic Technology Assistant at Carleton College

September 2019 - June 2021

- Developed **database software** for Language Lessons - a web app for language assignments.
- Worked with college professors to resolve a wide array of technical issues.
- Tracked and prioritized issues with Carleton's online learning software based on severity.

My Projects

- **Carleton Food Rating** – web app developed with **Flask and SQLAlchemy** for Carleton Midwinter Hackathon. Displays food available in Carleton dining halls, lets users rate it, and displays ratings (available on [GitHub](#)).
- **Unit Converter** – Android application for converting units of measurement and currency, using public web API for most accurate data. **Scored first place** at Samsung-hosted national competition; published on Google Play.
- **Automotive Accident Analysis** – database-driven website for examining and analyzing trends in traffic fatality rates, developed in a team of 3 with **Flask and PostgreSQL**.

Hackathons

- **Caterpillar Hackathon 2021** - in a team of 7, developed an **interactive web app** to analyze industry and market data relevant to Caterpillar; **predicted future trends** using Facebook's *prophet* package.
- **Carleton 2022 Midwinter Hackathon** - in a 48-hour competition, **led a team of three and got first place**. Developed Carleton Food Rating and created a road map to improve the project in the future.
- **Caterpillar Hackathon 2022** - in a team of 8, developed an interactive application using ReactJS, Flask, and DynamoDb to simplify authentication for Caterpillar customers and managing user permissions. **Led a sub-team of 3** in backend development, **communicated and planned work** with other leaders.

Skills

Programming Languages: Python, Java, R, C

Practical Skills: Linux, GitHub, AWS, Apache Software, CI/CD Pipelines, Android App Development

Spoken Languages

Fluent English, native Russian and Ukrainian, intermediate Chinese