

# Viktor Chekhovoi

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## Summary

An ambitious student focused on further developing skills by learning from professionals. Background in data analytics and software design, experienced in working with teams under Agile and Scrum frameworks.

## Education

### Carleton College

September 2019 -

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

### Kyyiv 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.
- Automated a complicated data formatting process using Azure pipelines, Snowflake database, and AWS Lambda & S3.
- Led the development of a data processing pipeline using AWS Lambda, ECS, S3, and Apache Hudi. Simplified existing implementation and future development.
- Learned to plan long-term projects and present my progress in a team setting.

### 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** – website 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** – an Android application for converting currency and units of measurement
- **Automotive Accident Analysis** – a database-driven website that lets the user examine and analyze trends on the rates of traffic fatalities.
- **Posture Check** – a Python program that uses the laptop's web camera to see if the user is slouching and plays an alarm to remind them to sit straight (available on [GitHub](#)).

## Skills

**Programming Languages:** Python, Java, R, C

**Practical skills:** Linux, GitHub, Google Cloud, AWS, Apache Software, Pipelines & Automation, Android App Development

## Hackathons

- **Caterpillar Hackathon 2021** - developed a web app to analyze industry and market data relevant to Caterpillar; predicted future trends using Facebook's *prophet* package.
- **Carleton 2022 Midwinter Hackathon** - led a team of two 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 easily authenticate Caterpillar customers and manage user permissions. Led a sub-team of 3 in backend development, communicated and planned work with other leaders.

## Spoken Languages

Fluent English, native Russian and Ukrainian, intermediate Chinese