

# 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.
- Developed a script to automatically refresh AWS credentials in an automated pipeline.
- Worked with large amounts of data to simplify the process of collecting data from Caterpillar assets in the future.

### 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

- **Contributing to [Pyodide](#)** - Pyodide lets users run Python in the web browser via WebAssembly. I'm working on adding support for several libraries, such as OpenCV, dlib, and face-recognition.
- **[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, Pyodide,  
Pipelines & Automation, Android App Development

## Honors/Awards

- *SCUDEM* - Differential equation modeling competition, "Outstanding" award, 2019
- Samsung IT school national competition, *Top prize*, 2017

## Hackathons

- **Caterpillar Digital Hackathon** - developed a web app in two days to analyze industry and market data relevant to Caterpillar; predicted future trends using Facebook's *prophet* package.

## Spoken Languages

Fluent English, native Russian and Ukrainian, intermediate Chinese