

# SAMUEL PUCEK

Simunkova 1608/19, Prague 8, Czech Republic  
+420 770 189 639 ♦ samuel.pucek@gmail.com ♦ GitHub: samuelpucek

## CARRIER OBJECTIVE

---

I'm friendly and open-minded person, with a passion for technology. I greatly welcome new challenges and opportunities to learn new things. In my tasks I am systematic and persistent.

## WORK EXPERIENCE

---

### **Avast Software**

*Data Scientist*

*Prague, Czech Republic*

*Jan 2022 - Present*

- Retention & Loyalty
- Architecture and development of ML pipelines

I work on architecture and development of Machine Learning pipelines which support retention strategy and personalisation in Avast. I'm responsible for the quality of code delivered by third parties, end-to-end pipelines architecture and development, communication with other internal and external teams, and support of other colleagues. Occasionally I do ad-hoc analyses in Jupyter Notebook.

### **Avast Software**

*Junior Data Scientist*

*Prague, Czech Republic*

*Jan 2021 - Dec 2021*

- Avast's Experimentation Platform

I focused on further development of the Avast's Experimentation Platform; mainly trustworthiness, data quality, and sensitivity improvements in statistical evaluation. Next I provided various deep-dive analyses and supported further evangelisation of experimentation mindset across the organisation.

### **Avast Software**

*Junior Data Analyst*

*Prague, Czech Republic*

*Sep 2019 - Dec 2020*

- Avast's Experimentation Platform

My responsibility was to maintain and update data pipelines, create dozens of ad-hoc analyses (Jupyter Notebooks) to answer business-related questions, and to co-work on development of Avast's Experimentation Platform - the cutting-edge tool for automatic evaluation of experiments (A/B tests).

My main contribution to Experimentation Platform was to design a statistical engine for evaluating experiments, which consists of sequential evaluation, multiple comparison problem, delta method etc. The solution has been open-sourced in fall 2020 - feel free to check Avast GitHub repository **ep-stats**. From **ep-stats** we created an independent Python package which can be found in PyPi.

In **ep-stats** we mainly focused on computational complexity. Using **numpy** we vectorized many math operations. We back-upped all features using unit testing, including statistical features stated above.

### **O2 Czech Republic**

*Internship and QA Tester (part-time)*

*Prague, Czech Republic*

*Aug 2016 - Aug 2019*

- IT reporting in SAP Solution Manager
- Integration and regression testing of the global CRM system (SQL, HP Quality Center, SAP)

## TECHNICAL STRENGTHS

---

<b>Programming</b>	Python (Object-oriented programming, Pandas, NumPy, Plotly, scikit-learn)
<b>Software &amp; Tools</b>	SQL, Git, L <sup>A</sup> T <sub>E</sub> X

## EDUCATION

---

<b>Charles University in Prague, Faculty of Mathematics and Physics</b>	<i>Sep 2014 - Sep 2019</i>
Master's degree in Probability, Mathematical Statistics and Econometrics	
Bachelor's degree in General Mathematics	

## LANGUAGES

---

<b>English</b>	Professional working proficiency
<b>Slovak</b>	Native

## INDIVIDUAL INTERESTS

---

Running (marathon 3:15:41, half-marathon 1:26:02), hiking, cycling