Warsaw, Poland GitHub

# Szymon Tomulewicz

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### **Work Experience**

### **Back-end Developer Intern**

Indoorway

07/2018 - 10/2018

Warsaw, Poland

- Developed REST and GraphQL APIs with Ruby on Rails, Postgres/PostGIS.
- Developed office traffic simulations for business visualizations.
- Used Agile methodology with weekly sprints, and TDD methodology.

### **Full Stack Developer**

### **Kalkulator Maturalny**

01/2018 - 12/2018

Remote, Self-employed

- Highly impactful helping thousands of high school student pass their oral exams each year.
- Built the website from scratch in a team of 2, to supersede and compliment existing Facebook communities.
- Solved problems such as *moderation* and *traffic-stealing bots*.
- Full stack development with PHP, JavaScript, HTML5.

# **Languages, Technologies, and Tools**

Languages: Python (Django, Pandas), JavaScript (basics of React), C#, C/C++, HTML5/CSS.

• Technologies: Git, Linux, Docker, MySQL, Postgres, Bash, Jupyter.

• Other: Data structures and algorithms, design patterns.

## **Projects**

- **Multi-agent system** for developing and testing negotiation models in an Industry 4.0 setting. Multi-threaded, with *QT5* front-end and *Sphinx* documentation. (GitHub)
- App for presenting VRP solutions React front-end, async workers with WebSocket communication. (GitHub)
- Data analysis of various stackexchange.com archives Processed gigabytes of real-world data. (GitHub)
- Simple 3D engine Supports textures, shaders, models, and materials. Uses NumPy and Pyrr for math. (GitHub)

### **Education**

B.Sc. Computer Science, Warsaw University of Technology, MiNI faculty.

2017 – 2022 (Expected)

### **Achievements**

• Audience Award, BialJam game jam, Białystok University of Technology.

2017

### **Interests**

- Machine learning, natural language processing, and digital signal processing.
- Contemporary, electronic, experimental, and jazz music. Music composition and production.

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