MATEUSZ SZCZEPAŃSKI

I am a young math and science enthusiast. I'm in my 5 year of applied mathematics studies, and my diploma thesis is about quantum computing. I deal with software testing on a daily basis. Choosing this career option allowed me to become acquainted with IT infrastructure and the sector during my education. I am a highly positive, flexible, and outgoing individual who enjoys working with others. I excel at both technical work and interpersonal relationships, making me a valuable member of any team/project. I enjoy learning new things and facing new challenges. I am interested in expanding my horizons and exploring fresh technology. My mathematical and analytical mindset has repeatedly demonstrated to me that I am capable of doing anything and that anything is achievable if we invest time and effort.

PERSONAL DATA

Name: Mateusz Szczepański
Birthdate: 27.12.1999
Citizenship: polish
Cell: 733-299-322
Email: mateusz.szczepanski.kontakt@gmail.com
LinkedIn: linkedin.com/in/mateusz-szczepański-539604207
GitHub: github.com/mszczepanskigit

EDUCATION

University of Wrocław (2018 - present)

Applied Mathematics (at the end of Master's degree)
Master's Thesis (ongoing): A comparison of Quantum Fourier Transform and Classical Fourier Transform in solving differential equations *(working title)*
Planned end: 07.2023

LANGUAGES and Latex

- ***English*** (Upper-Intermediate B2+)
- ***Python*** (Advanced, I use it everyday for most of my purposes - work, own projects etc.)
- ***Bash/Linux*** (Everyday work including scripts)
- ***R*** (Intermediate, did many projects in R but currently working mainly in Python)
- ***SQL*** (I've worked with SQL on Databases course on studies and build an application using PostgreSQL and Python)
- **Matlab** (I did many numerical projects using matlab, when it was easier than in python)
- ***Latex*** (High Advanced)

COURSES & CERTIFICATS

Udemy courses (done):

- *Data Science in Python/Pandas*
- *Python, Image processing*
- *The Complete Quantum Computing Course*

Udemy courses (ongoing/tbd):

- *Django*
- *Machine Learning in Python*
- *Computer Vision & AI in Python*

ISTQB Certified Tester Foundation Level

id: 93625

CURRENT EMPLOYMENT

QA Software Engineer in Consult Red (07.2021 - present)

- **Set Top Boxes**
- **Agile** Approach (with Kanban elements, experience with Jira)
- **Manual/Automated Testing**
- **In-dev testing** in connectivity team (IP Networks, Embedded Systems, Wi-Fi, Remote Control, Access Points)
- **Communication with client**
- **Socializing and integrating workmates** (Parties and events)
- **Organizing and moderating trainings** (Git, Robot, Kibana)
- **Newcomers trainings**

EXPERIENCE AND PROJECTS

Math related Projects

In **R**:

- Hunting Model *(tinyurl.com/46wpjuzu)*
- Heat Equation in 2D *(tinyurl.com/2pmeb78k)*
- Turing's Instability in Brusselator Model *(tinyurl.com/3296vpxj)*

In **Python:**

- Testing Pseudo Random Number Generators *(tinyurl.com/2wvvrjmy)*
- Estimating Options using Monte Carlo Methods with a variation reduction *(tinyurl.com/bdze9ub9)*
- Language simulation using Markov Chains *(tinyurl.com/4h2yxjyk)*

Python Projects

- Airport Database Application with simple GUI *(tinyurl.com/3wmmxcx9)*
- Complex simulation of pandemic (strongly focused on OOP)
- *(tinyurl.com/298344ks)*
- Chess King Random Walk Simulation *(tinyurl.com/bdf7kk3k)*

Bachelor's thesis (01.2021 - 06.2021)

Minkowski Spacetime in the Special Theory of Relativity

Master's thesis (09.2022 - 07.2023)

A comparison of Quantum Fourier Transform and Classical Fourier Transform in solving differential equations (working title)

CLAUSE