



# MATEUSZ CZARNECKI

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## ABOUT ME

21 years old programming passionate, Fast learner with strong logical thinking capabilities and proactive approach. Fascinated about new technologies and exploring the world. Experienced in working in the international environment.

## EDUCATION

### WARSAW UNIVERSITY OF TECHNOLOGY

Bachelor of Computer Science

2021 - 2024 (EXPECTED)

**GPA: 4.8 / 5** | Academic achievements scholarship holder

SMART CITY PW

Active Team Leader in the student association



### METROPOLIA UNIVERSITY OF APPLIED SCIENCES

HELSINKI, FINLAND

2022 - 2023

Bachelor of Computer Science, Software Engineering spec.

International Exchange Programme



## EXPERIENCE

### TSMC

AI APPLICATION & PLATFORM DEPARTMENT INTERN

HSINCHU CITY, TAIWAN

JUNE - AUGUST 2023

- Developed an AI system to categorize employee feedback, enhancing HR feedback management.
- Modularized AI models, optimizing them for production and scalability.
- Spearheaded research and devised training workflows for image-captioning models: BLIP, BLIP2, and miniGPT 4.
- Winner of the TSMC Intern Hackathon



### NOKIA BELL LABS

SOFTWARE DEVELOPMENT STUDENT INTERNSHIP

HELSINKI, FINLAND

OCTOBER - DECEMBER 2022

- Created solutions for the secure transfer and management of medical data using the Ethereum Blockchain.
- Established ownership protocols for digital twins and patient records via a Python and Solidity-based software built on Blockwritten
- Developed a full-stack application using Python Flask and Javascript visualization packages.



## PROJECTS

### SOLAR ESTIMATOR

 [GITHUB REPO](#)

- Full-stack Software that helps evaluate the profitability of installing photovoltaic panels on the rooftops of buildings in Warsaw
- Consists of an algorithm that calculates the number of panels on the roof and an API that allows users to interact with the algorithm.
- Technologies: Python, ArcGIS, ArcPy, Django, PostgreSQL, JavaScript, RabbitMQ.

### FREELANCE WEBSITE/APP DEVELOPMENT

 [GITHUB REPO](#)

- Developed websites and e-commerce shops for clients.
- Created a full-stack node.js e-commerce shop software including payments, admin and order history panels and user authentication.
- Technologies: HTML, CSS, Javascript, Typescript, NodeJS, MongoDB, Wordpress

## SKILLS

Problem solving, OOP, Java, Kotlin, Python, Javascript, Typescript, Android, Android Studio, Web development, NodeJS, SQL, MongoDB, Azure, Python data analysis tools, Machine Learning methods, Deep Learning, NLP, Image Processing, GIT and Github fluency, Algorithms, International team working, C1 English language proficiency, Fast learning