



MATEUSZ CZARNECKI

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 CZARNECKI.MATEUSZ.022@GMAIL.COM

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ABOUT ME

22 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.

EXPERIENCE

MATCH-TRADE TECHNOLOGIES

SOFTWARE ENGINEER

WARSAW, POLAND

FEBRUARY 2024 - NOW (7 MONTHS)

- Developing distributed HFT software for cryptocurrency markets
- Integrating blockchain-based cryptocurrency exchanges with existing market making software (DeFI)
- Interaction and maintenance of Blockchain nodes, creating on-chain arbitrage solutions, developing smart contracts



TSMC

AI APPLICATION & PLATFORM DEPARTMENT INTERN

HSINCHU, TAIWAN

JUNE - AUGUST 2023 (3 MONTHS)

- Developed an AI system enhancing HR feedback management.
- Modularized AI models, optimizing them for production and scalability.
- Research and devised training workflows for image-captioning models.
- Winner of the TSMC Intern Hackathon



NOKIA BELL LABS

SOFTWARE DEVELOPMENT STUDENT INTERNSHIP

HELSINKI, FINLAND

OCTOBER - DECEMBER 2022 (3 MONTHS)

- Created solutions for the secure transfer and management of medical data using the Ethereum Blockchain.
- Using Solidity Smart Contracts to interact with Ethereum Blockchain and store data.



CODING GIANTS

PROGRAMMING TEACHER

WARSAW, POLAND

NOVEMBER 2022 - JUNE 2023 (7 MONTHS)

- Taught Python programming to students aged 10-18.
- Instructed students in algorithms and computational thinking.



EDUCATION

WARSAW UNIVERSITY OF TECHNOLOGY

Bachelor of Computer Science

2021 - 2025 (EXPECTED)

GPA: 4.7 / 5, Academic achievements scholarship holder

Smart City | Team Leader within the student association



METROPOLIA UNIVERSITY OF APPLIED SCIENCES

HELSINKI, FINLAND

Computer Science, International Exchange Programme

2022 - 2023



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.

SKILLS

Problem solving, OOP, Java, Spring, JUnit, Kotlin, Python, Javascript, Typescript, Restful APIs, Blockchain: Ethereum, Solana, Layer 2, Android, Android Studio, Automated integration tests, 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, Teamwork



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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

GPA: 4.8 / 5 | Academic achievements scholarship holder

SMART CITY PW

Active Team Leader in the student association

2021 - 2024 (EXPECTED)



METROPOLIA UNIVERSITY OF APPLIED SCIENCES

HELSINKI, FINLAND

Bachelor of Computer Science, Software Engineering spec.

International Exchange Programme

2022 - 2023



EXPERIENCE

TSMC

AI APPLICATION & PLATFORM DEPARTMENT INTERN

- 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

HSINCHU CITY, TAIWAN

JUNE - AUGUST 2023



NOKIA BELL LABS

SOFTWARE DEVELOPMENT STUDENT INTERNSHIP

- 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 Blockchain
- Developed a full-stack application using Python Flask and Javascript visualization packages.

HELSINKI, FINLAND

OCTOBER - DECEMBER 2022




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, Spring, JUnit, Kotlin, Python, Javascript, Typescript, Restful APIs, Android, Android Studio, Automated integration tests, 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, Teamwork