

Josef Vladislav Pánek

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EDUCATION

Loughborough University | Loughborough, Leicestershire

Sep 2024 - Present

BSc. in Computer Science

Year 1: 83% (First Class equivalent)

Relevant Courses: Algorithms, Object-Oriented Programming, Logic, Embedded Systems, Functional Programming

TECHNICAL SKILLS

Languages: Java, Python, C++, Haskell, VB, SQL, PHP, HTML, CSS, JavaScript

Frameworks and Libraries: Bootstrap, JQuery, Matplotlib, Pandas, Scikit-learn, Arduino (LedControl, IRremote)

Tools: Jupyter Notebook, Arduino IDE, VS Code

PERSONAL PROJECTS

Arduino Security Sensor | C++, GitHub: <https://github.com/CryptRaid/Arduino-Security-Project>

Aug 2025

- Independently built a custom Arduino security system that triggers an alarm and increments a counter when motion is detected, handling everything from planning and C++ programming to soldering components onto a perfboard.
- Debugged hardware faults (solder joints, miswired components) and software issues (digit display timing), strengthening my skills in systematic debugging, hardware–software integration, and writing efficient code under real constraints.

Medical Insurance Analysis | Python, GitHub: <https://github.com/CryptRaid/Insurance-Cost-Analysis>

Sept 2025

- Conducted EDA on a medical insurance dataset in Python, cleaning and categorising features (BMI, charges) to explore relationships between health/lifestyle factors and costs; found that 100% of smokers and 17% of non-smokers are in the top third of charges.
- Applied statistical tests and regression analysis with Pandas, Matplotlib, and Scikit-learn, identifying age, revealing strong relationships between age, smoking, and high insurance charges.

EXPERIENCE

Bluebells Cleaning Services - Housekeeper | Southam

June 2025 - Aug 2025

- Maintained hotel standards through reliable, timely cleaning, demonstrating discipline and attention to detail.

UOTC - Officer Cadet | Nottingham

Oct 2024 - June 2025

- Took part in paid military-style training, gaining discipline, teamwork, and leadership experience alongside studies.

Click Ok - Computer Repair Technician | Royal Leamington Spa

Oct 2022 - Aug 2024

- Built and repaired custom PCs, laptops, and desktops; handled complex technical repairs independently.
- Supported customers with technical issues and guided some through building their own computers.
- Grew from work experience to a paid role, taking on complex repairs and managing customer interactions independently.

School Computer Science Volunteering - Volunteer | Southam College

Sep 2022 - June 2023

- Taught Python coding to other students and represented the CS department at open days.

IBM - Work Experience | Warwick

June 2023 - June 2023

- Secured a rare placement at IBM, I learned about the company's enterprise systems, and presented on market performance.

Fujitsu - Work Experience | Remote

Nov 2022 - Nov 2022

- Analysed cybersecurity and AI systems; studied applications in smart cities and quantum computing.

JMT Engineering - Farm Hand | Remote

Jul 2022 - Aug 2022

- Developed discipline and strong work ethic through full time farm work at age 15.