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)
Southam College | Southam, Warwickshire　　　　　　　　　　**Sep 2022 – Jun 2024**
A-Levels: Computer Science – A, Physics – A, Mathematics – A

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: github.com/CryptRaid/Arduino-Security-Project　　**Aug 2025 – Sept 2025**
- Built an Arduino security device with motion-triggered alarm and counter, independently handling planning, coding, and assembly.
- Integrated hardware and software: soldered components, programmed C++ logic, and debugged timing/display issues.
- Developed strong skills in systematic debugging, hardware–software integration, and efficient coding under real constraints.

Medical Insurance Analysis | Python, GitHub: github.com/CryptRaid/Insurance-Cost-Analysis　　**Sept 2025 – Sept 2025**
- Conducted exploratory data analysis on a medical insurance dataset, cleaning and categorising features (e.g., BMI, charges).
- Applied statistical tests and regression models using Pandas, Matplotlib, and Scikit-learn.
- Identified strong correlations between smoking, age, and high insurance costs (e.g., 100% of smokers in top third of charges).

EXPERIENCE

Bluebells Cleaning Services – Housekeeper | **Southam**　　　　　　　　　　**Jun 2025 – Aug 2025**
- Maintained hotel standards through reliable, timely cleaning, demonstrating discipline and attention to detail.

UOTC – Officer Cadet | **Nottingham**　　　　　　　　　　**Oct 2024 – Jun 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 – Jun 2023**
- Taught Python coding to other students and represented the CS department at open days.

IBM – Work Experience | **Warwick**　　　　　　　　　　**Jun 2023 – Jun 2023**
- Completed a placement at IBM, gained exposure to enterprise systems, and presented on their 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.