

MICHAEL KALAYDJIYSKI

CONTACT INFORMATION



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Profile and Experience:

- **Programming Languages and tools:**
 - Python including Tkinter: Python interface to the Tcl/TTk GUI toolkit, Idle tool
 - Kotlin – Realtime AI Object detection App using Pre Trained TensorFlow Lite model.
 - Java (Android) and Android Studio, JavaScript(Velo, Wix).
 - HTML / CSS / JS – VSCODE Portfolio Website(Successfully deployed using Netlify) Mobile and desktop compatible .
 - SQL (queries, insert and retrieve data from Python)
 - Wix Velo API for Web site development
 - GitHub, MS Access under MS Windows 10
 - Basic C# GUI with working Buttons, Forms and Interface (MS Visual Studio)
- **Computer projects and programs created and run successfully:**
 - Python programming as part of Work Experience project:
 - Real Time Object Detection AI App(Fully Working and tested on physical android Phone. Used a Pre-Trained Tensor flow lite model and coded the program in Kotlin in android studio.
 - Project Reaction time measurement: Full Software life cycle (SDLC): From User Requirements to passing acceptance tests.
 - Project planning, Software design, coding, debugging.
 - Can demonstrate web app, website, and mobile app software.
 - Reaction Time Measurement Game: Created a simple MS Access DB and ran a GUI program using pyodbc and Tkinter to insert and retrieve DB data supplied by user through their react time and age group type through a Tkinter list box.
 - Python programming as part of Official exam project at Cirencester College
 - Passed First exam: Passed Official test for certificate: Digital Production, Design and Development at Cirencester College Merit
 - Completed Second exam: Occupational Specialist Project : Full Software life cycle (SDLC): From User Requirements to passing acceptance tests. Waiting for results.
 - Python programming experience as part of current Digital T level course created successfully 3 working games using python:
 - “Noughts and Crosses”
 - “Battleships”
 - “Haunted house” (using object orientation in Python: classes and methods)
 - Solved problems related to:
 - SQL commands from Python and Tkinter
 - Using an efficient separate thread for left click handling in Python under MS Windows
 - Using an efficient onTouch listener in Java Android
 - Switching between on-screen images in Java Android on different user-driven events
 - Started a face detection project using MLKIT in Android studio.
- **Good communication skills** to discuss problems and solutions with other team members.
- **Software Dev and Testing methodologies:** Agile iterative, Test-driven development, Test methods: black and white box, stress, integration, boundary conditions etc.
- **PYODBC/Database work:**

- Successfully connected python code to a Microsoft ACCESS database
- Made a Database Front end.
- Made a python Front End
- Basic Normalisation Skills
- **Augmented Reality:**
 - Presented AR Digital strategy proposal to Corinium Museum, Cirencester.
 - Provided system design options in a presentation, that includes applications in stores, coffee shops, museums (as part of course work)
- **MS Windows 11:** Prepared assessment, pros and cons for rolling out in the Cirencester college
- **Computer security:** Technical and non-technical threats: Trojan, DDOS, phishing etc
- **Presentations** on IT Security, Hardware redundancy methods, Data protection.
- **Computer Legislation laws:** Copyrights and Data Protection acts (GDPR)

Previous Work placements / Work Experiences

1 week work Virtual Work experience placement at Johnson Matthey

Topics Covered:

- Hydrogen Powered Fuel Cells
- Combating climate change Using technology
- Jobs involving STEM Subjects
- Career Spotlights
- Group Problem Solving Activities
- Ted Talks + Q and A's About Johnson Matthey
- Virtual site tours

Certi



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EDUCATION

Royal Wootton Bassett Academy – SN4 7HG

GCSE's:

Subject	Grade
English	5
Math's	5
Science	5,5
Engineering	L2 Merit (incl. product design and manufacturing)
Geography	5
Business	4

Graduated and Completed course at Cirencester College :

Course - 3A level equivalent T level

- Digital Production, Design and Development (Software and App Design) T-level (Level 3 qualification)
- Grade - Merit
- I have a digital copy of my exam results that I can provide as proof (contact me via email).

UDEMY WEB DEV BOOTCAMP ONLINE COURSE

- Currently enrolled, learning and completing the course.

- Covers full front and back end(Html, CSS, Node.js, React and mongo db.)

My Skills:

- Good communication, Teamwork
- Numeracy, Literacy, and IT Skills
- Problem Solving
- Able To Analyse Information
- Hardworking
- Confidence, Good Work Ethics

Languages

- English, fluent
- Bulgarian, fluent

Hobbies

- Software Game Development (Python)
- Gaming(Casual)
- Watching / Playing Basketball
- Swimming in the past (medals in local competitions)

References

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