Jacob Tomaszewski MSc., BEng. (Hons)

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Possessing a strong academic foundation and professional experience in programming, automated systems and product testing. With a proven ability to deliver efficient, scalable solutions. Skilled in programming, design and project management, with excellent communication across teams and stakeholders.

EXPERIENCE

Freelance Web-Service Work

November 2023 – Current (Concurrent with other roles)

- Created and hosted a custom website, using React & Vite and hosted on Vercel
- Created API endpoints using Vercel's serverless functions
- Designed and implemented a MiddleEnd server to handle API requests, and communicate with a database
- Implemented responsive design practices
- Delivered custom web services work tailored to client business needs
- Provided ongoing maintenance and updates
- Handled full-cycle client communication and product delivery

Disguise *Hardware Product Engineer*

(Short Term Contract) March 2024 – April 2025

- Automated OS QA processes, reducing manual testing time by 500%
- Developed solutions to cut manufacturing test time by 20%
- Maintained and optimised a 20,000 line Powershell codebase
- Managed two full-cycle engineering projects
- Experience in AWS and internal software tools
- Developed using both Git and Mercurial for version control
- Liaised with clients, stakeholders, suppliers and manufacturers to align technical delivery with business needs

University of Reading, Vision and Haptics Lab
Research Assistant

(Short Term Contract) October 2021 – April 2022

- Developed with a state of the art VR, Haptic, Robotic teleoperation system
- Implemented bug reporting system as not only developers used the device
- Delivered demonstrations and presentations to stakeholders

SKILLS

Programming & Scripting:
2 Years Professional

- ➢ HTML, CSS
- ➢ Javascript/Typescript
- ➢ React
- ➢ Powershell
- ➢ Python
- ➢ C / C++ / C#
- ➢ MATLAB

Systems and Tools:
1 Year Professional

- ➢ Git & Mercurial
- ➢ AWS
- ➢ REST APIs
- ➢ Vite
- ➢ Node
- ➢ React

EDUCATION

Imperial College London
Scholarship
MSc Human and Biological Robotics (Merit)

September 2022 – October 2023

University of Reading
BEng Biomedical Engineering (First)

September 2018 – August 2021