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Ilja Solomatin

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Education

Bath, UK **University of Bath** **2018 | 2023**

- MComp(Hons) in Computer Science.

Skills

- Programming Languages: Java, Python, JavaScript/HTML/CSS, C++, SQL
- Frameworks and Libraries: React, React Native, Next.js, Jest, GraphQL, Node.js

Experience

Software Engineering Intern **Inertia Group – London** **Sep 2021 – July 2022**

- Spearheaded dynamic web page development using React, JavaScript, and Node.js, optimising user experiences.
- Pioneered and led a high-impact project, enhancing user engagement through front-end innovations.
- Seamlessly collaborated with cross-functional teams, demonstrating effective teamwork and creative problem-solving.

Student Ambassador **University of Bath** **Sep 2019 – July 2020**

- Delivered engaging talks to prospective students, offering insights into university life, academic programs, and growth opportunities.
- Orchestrated informative campus tours, refining communication and teamwork proficiencies.

Projects

B-Aware – Visualisation Tool

- Innovative Mobile App: Developed a groundbreaking mobile app, empowering users with real-time crime statistics through Google Maps and UK Police API integration.
- Conducted rigorous testing and debugging, ensuring the app's reliability and accuracy.

Projectile Motion Simulator – Teaching Aid

- Conceptualised and realised a desktop application, earning a perfect grade of 100%, dynamically simulating and visualising projectile motion.
- Deployed as an invaluable educational tool within the mathematics department at Langley Park School for Boys.

BSc Dissertation – Flower Species Recognition

- Designed and implemented a groundbreaking Convolutional Neural Network (CNN) capable of identifying 102 distinct species of flowers with an outstanding accuracy exceeding 96%.
- Leveraged Python to develop the neural network model, showcasing proficiency in machine learning and image recognition technologies.

MComp Dissertation – Shape-Changing Device Enhancement

- Demonstrated advanced programming skills in Python and C++ to enhance an existing shape-changing device used in mental health treatment.
- Crafted an intuitive GUI and implemented essential backend safety features, optimising the device's usability and safety protocols.