

# Jovan Hadzic

50 Quentin Road, London SE13 5DF

**Mobile:** 07443871725 **Email:** [jhadzic253@gmail.com](mailto:jhadzic253@gmail.com)

## Education

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### **BSc (Hons) Computer Science, 1st Class**

University of Warwick, 2024

### **Dulwich College, London, Year 5 – Year 13 (2013-2021)**

A-level: A\* Mathematics, A\* Computer Science, A\* Further Maths, A\* Physics

## Technologies and Development Tools

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- Languages: Java, JavaScript, Python
- Technologies: React, Node.js, SpringBoot, HTML, CSS
- Databases: MongoDB, MySQL, AWS S3, Google Cloud Storage
- Cloud / Deployment: AWS, Docker, Heroku, Vercel

## Experience

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- Warwick University

Dissertation: Ride Booking Mobile Platform

- Collaborated with a luxury ride booking startup to develop their Android mobile ride booking platform.
- Worked closely with the project manager on product design, feature roadmap and acceptance criteria.
- Responsible for technology implementation, from making decisions on technology choices through feature comparisons, to creating project code base in GitHub and establishing deployment pipeline.
- Championed iterative development approach, establishing the MVP milestones with project manager based on internal user testing feedback and feature roadmap.
- Implemented Dynamic Pricing Model using Deep Q-Network (DQN) using Python TensorFlow library in Google Colab.
- Driver scoring and ride recommendation system based on location, rating and preferences.
- Utilised MySQL database for customer, driver and booking information, and AWS S3 store for multimedia images of cars and driver profiles.
- Technologies used: **REACT NATIVE, NODE.JS, PYTHON, MYSQL, AWS S3, HEROKU**

Software Engineering Group Project:

- Worked as part of the team tasked with development of project tracking and risk assessment website as part of Deutsche Bank university project
- Collaborated with the project manager and database designer to create a full stack application, with direct responsibility for front end development and integration testing
- Technologies used: **REACT, DJANGO, POSTGRESQL**

Courses / Modules:

- Machine Learning: Classification of data points via use of PCA
- AI: Implemented Python based AI solution for scheduling problem solving
- Mobile Robotics: Robot Navigation and obstacle avoidance
- Digital Forensics: Denoising images, extracting watermarks and forgery detection

## Personal Projects

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- Travel Tracking Website
  - <https://travel-trakr.vercel.app/>
  - Developed a travel tracking web application, utilising Mapbox API for world map interaction, deployed using Vercel.
  - Technologies used: **REACT, NODE.JS, MONGODB, GOOGLE CLOUD STORAGE**
- Portfolio website
  - <https://portfolio-react-kappa-self.vercel.app/portfolio>
  - Technologies used: **REACT, VERCEL, EMAILJS API, GITHUB**

## Achievements

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- Gold Duke of Edinburgh award, team captain
- Vice-Captain in National Cipher Challenge, Dulwich College

## Personal Information

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- Citizenship: British
- Languages: English, French, Spanish, Serbian