

Education

Warwick University <i>Predicted Grade: 1st Class</i>	MEng Systems Engineering <i>Oct 2021 – Jun 2025</i>
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Technical Skills

Languages: Python, TypeScript, C/C++, Java, MATLAB, C#, Dart, SQL(PostgreSQL, MySQL)
Technologies: Git, React(NextJs, Hydrogen), ExpressJs, Django, Firebase, Flutter, Strapi, Unity, MongoDB, GraphQL

Experience

Incoming Software Engineer <i>Hewlett Packard Enterprise</i> <ul style="list-style-type: none">Collaborated with 'Origin' scrum team on full-stack app development, enabling product managers to push customer announcements using a robust Golang microservice and responsive React UIIntegrated Jenkins pipelines for seamless building, testing, and deployment, leveraging AWS-hosted Kubernetes clusters and Helm for scalable infrastructureUtilized React reducers, context API, and Mirage for effective UI state management and backend mocking, while maintaining high code quality with Jest and Cypress testing.	July 2023 - June 2024 <i>Bristol, UK</i>
Software Engineer - Spring Intern <i>JP Morgan</i> <ul style="list-style-type: none">Acquired practical TDD expertise in Spring Boot, skillfully developing and verifying API routes with JUnit to ensure robust and efficient code.Contributed to a dynamic team of 5, developing an innovative web app targeting UN Goal 4 to empower volunteers and enhance educational opportunities for underprivileged communitiesDeveloped an interactive frontend using React for API calls to OpenAI and a Flask-based REST API, delivering vital local educational opportunities information.	April 2023 <i>London, UK</i>
Software Engineer <i>Butterfly Technologies Ltd</i> <ul style="list-style-type: none">Steered design and execution of a social media app, boosting user experience with features like group chats and event alerts, achieving 2,000+ downloads within months of launchDeveloped the mentions and polls functionalities, directly fueling a 15% surge in active user engagement and enhancing the overall app experience.	Oct 2022 - Present <i>Coventry, UK</i>
Software Engineer Intern <i>Ford Motor Company</i> <ul style="list-style-type: none">Skillfully crafted a 4DX racing game for Ford's Sync System with Unity, C#, Python, and C/C++, reducing latency by 60% through low-level programming expertiseElevated gaming experience via real-time systems mastery, optimizing performance for the 4DX racing game on Ford's Sync System	Jul 2022 – Sept 2022 <i>London, UK</i>
Software Engineer - Spring Intern <i>Lloyd's Banking Group</i> <ul style="list-style-type: none">Expertly analyzed, transformed, and visualized 12,000 simulated bank transactions using Python, Pandas, and Matplotlib, gaining insights into technology-driven improvements in user experience and forecasting capabilities within the financial sector	Jun 2022 – Jul 2022 <i>Remote, UK</i>

Projects

Imperfect London <i>ReactJs, Hydrogen, GraphQL, ShopifyAPI</i> Imperfect London <ul style="list-style-type: none">Skillfully crafted a bespoke eCommerce web application using React, GraphQL, and Shopify API, delivering an exceptional user experience for customers while showcasing proficiency in cutting-edge web development technologies	Dec 2022 - Feb 2023
Langauge Buddy <i>TypeScript, NextJs, tRPC, Prisma, Open AI, Git</i> <ul style="list-style-type: none">Developed a multilingual chatbot using OpenAI API, enabling enhanced language learning through error checking, corrections, and seamless language switching for an engaging, versatile user experience.	Oct 2022 - March 2023
ICHack <i>Python, Scikit-Learn, AWS</i> <ul style="list-style-type: none">Achieved top 10 placement in the Optiver Sponsor Challenge at ICHack by developing a high-performing trading bot, utilizing machine learning algorithms on AWS EC2 for real-time market analysis and strategic high-frequency trading	Feb 2023
JP Morgan Code for Good Hackathon <i>Flutter, Firebase, Dart ,Git</i> <ul style="list-style-type: none">Achieved 1st place with a user-centric app for empowering deafblind individuals, combining Google's speech-to-text API and Vision AI for seamless communication and social media connectivity, championing accessibility and fostering societal inclusion	Oct 2022

Responsibilites

Computer Science Tutor <i>Crimson Education Tutor</i> <ul style="list-style-type: none">Boosted students' Computer Science test scores by 20% via customized support and innovative teaching techniques, showcasing adaptability and expertise.	Dec 2022 - Present <i>Remote, UK</i>
Student Researcher <i>Warwick Data Science Society</i> <ul style="list-style-type: none">Implemented high-accuracy CNNs and Residual-Networks using PyTorch for leaf classification, handling 10,000+ images across 100+ species with strategic preprocessing and data augmentation.	Jan 2023 - April 2023 <i>Coventry, UK</i>

Interests

- Basketball** - Member of Warwick University Men's basketball team and Vice Captain of ACS Basketball Team
- Reading** - Avid reader, mainly enjoys books about software engineering and psychology. Currently reading Cyber Effect by Mary Aiken