

Alin Gabriel Mican

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Education

HyperionDev Software Engineering (Python)	Remote Nov 2023 - Mar. 2024
Royal Holloway University Of London Bachelor of Science in Computer Science, Overall grade: 2:1 —Upper Second Class Honors	London, England Sep. 2020 – July 2023
Preston Manor Sixth Form A-Level: Mathematics (A), Chemistry (A) and Computer Science (B)	London, England Sep. 2018 – July 2020

Experience - GitHub(<https://github.com/AlinMican1>)

DataAnnotation Tech Software Engineer (AI Training) Python, Java, JavaScript, SQL, JSON	Mar 2024 - Oct 2024 Remote
<ul style="list-style-type: none">Trained AI models with advanced algorithms, improving performance accuracy by 17% through collaboration and code reviews.Developed and tested AI models for real-world software, optimizing performance for seamless integration.Ensured clean, modular, and well-documented code, adhering to industry best practices and maintaining quality through regular reviews.	
Contract Web Developer https://www.thekingzace.com/ Web Developer ReactJS, NextJS, HTML, CSS, JavaScript, Vercel, Typescript	Jun 2023 - Sep 2023 London, England
<ul style="list-style-type: none">Maintained strong client engagement by organizing meetings to understand requirements, driving collaboration, and delivering results through Agile development and prototyping.Boosted LightHouse scores to 95% on desktop and improved mobile performance by 63%, optimizing technologies for a seamless user experience.Implemented industry-standard security measures, including environment files for API key protection, while optimizing maintainability and accelerating feature development through an atomic structure hierarchy, reducing code redundancy.	

Projects - GitHub(<https://github.com/AlinMican1>)

HeartBridge App Next.JS, React.JS, REST API, Web-Socket API, AWS, Socket.IO, JavaScript, HTML, CSS, CapacitorJS, Android Emulator, Github, Postman, MongoDB, JEST	Oct 2024 – Ongoing
<ul style="list-style-type: none">Built an interactive app for long-distance relationships, enabling gamified interactions and real-time features like messaging, notifications, and friend requests using Web-Socket API and Socket.IO.Validated backend APIs with Postman, emulated Android functionality with CapacitorJS, and ensure data integrity with JEST, improving reliability by 60%; optimized performance by using AWS S3 for image storage, reducing MongoDB size by 40% and boosting data retrieval speed by 50%.	
RogueShooter C#, Unity, Blender, GitLab, ShaderLab	Sep 2022 – June 2023
<ul style="list-style-type: none">Developed a year-long rogue-like shooter game with 2,500+ lines of structured code, implementing optimised algorithms like A* pathfinding, object pooling, and 2D occlusion culling. Achieved a 40% FPS boost, significantly enhancing late-game performance and user satisfaction.	
RPN AlgoCalc Java, JavaFX, JUNIT, SVN, UML, Javadoc	Sep 2021 – May 2022
<ul style="list-style-type: none">Applied object-oriented principles to develop an interactive GUI supporting RPN and Infix Notation, using stack and shunting-yard algorithms; implemented TDD with 50+ JUnit test cases, ensuring robust validation across boundary and invalid data.Created a user-friendly JavaFX interface, achieving 44% user satisfaction based on feedback collected via Google Forms analytics.	
Smart Robot for Color-Coded Sorting Java, Lejos	Sep 2020 – Mar 2021
<ul style="list-style-type: none">Led a 4-member team to design and build a robot for warehouse box sorting, overseeing assembly, motor and sensor integration, real-time communication, sorting algorithms, and behavioral scripting.	

Technical Skills

Languages: Java, Python, C#, JavaScript, TypeScript, CSS, HTML
Developer tools: AWS, Postman, Github, GitLab, SVN
Libraries/Frameworks: React, Tailwind, Scikit-learn, Next.Js, Unity, Socket.IO
DBMS & ORM: SQLite, PostgreSQL, Prisma, GraphQL, MongoDB

Certification

HyperionDev
<https://www.hyperiondev.com/portfolio/AG23110009693/>
Microsoft
<https://www.freecodecamp.org/certification/AlinM/foundational-c-sharp-with-microsoft>