Cian Leo Blake

Phone Number: +971 (0) 56 459 8905 | Email: clb619@nyu.edu | linkedin.com/in/cian-blake

EDUCATION

New York University Abu Dhabi | Abu Dhabi, UAE   **May, 2023**
Bachelor of Science, Major in **Physics** with minors in **Computer Science** and **Mathematics**
GPA: 3.63
Coursework in Algorithms, Data Structures, Linear Algebra, Computer Systems, Computational Physics
Research Thesis: Investigating the behaviour of the MAXI J1348-630 during outbursts, reflares and quiescence.
A-Levels: A* in Further Mathematics, A* in Mathematics, A* in Physics, A* in Extended Research Project
Other: 1530 SAT, 329 GRE

WORK EXPERIENCE

Genius Autos | Abu Dhabi, UAE   **April, 2020 - December 2022**
Co-Founder
- Founded a startup to disrupt the used auto part industry with visionary technology solutions that are defining the world of tomorrow.
- Managed the ideation, design and implementation of a client-obsessed enterprise SaaS platform in less than a year with an international, remote team using AGILE and SCRUM methodologies.

Technical Product Lead
- Architected modern, scalable software backend using AWS (SAM, Lambda, EC2, Cloudwatch, S3 etc) to support fast cloud-native software for low web speed environments at low costs.
- Built modular, pixel perfect software frontend using ReactJS, HTML5, CSS, JavaScript, REDUX and Material UI to reduce product development costs and time.

Business Development
- Activated marketing channels within New Zealand and Australia leading an on-the-ground sales campaign to gain customer trust, build relationships and develop strategic partnerships generating over $60,000 annual recurring revenue.
- Earned and maintained customer trust through over 400 discovery interviews by listening attentively to their business frustrations and diving deep to identify their key pain points.

Upwork | Abu Dhabi, UAE   **September, 2021 - December 2022**
Software Engineer
- Managing multiple product development pipelines from ideation to production utilizing high-performing component-based architectures to optimize costs and delivery time.
- Collaborated with other entrepreneurs on myriad software projects to deliver high quality cloud-native web applications using AWS (SAM, Lambda, EC2, Cloudwatch, S3 etc).
- Implemented modular, component based frontend software development with self-taught ReactJs, HTML, JavaScript and CSS skills to help clients exceed their goals by reducing product development time and cost.

MidChains LIMITED | Abu Dhabi, UAE   **May, 2021 - September, 2021**
Software Engineer Intern
- Developed solutions to frontend (JavaScript) and backend (Python) bugs to solve errors diagnosed in testing to contribute to an in production blockchain trading platform.
- Researched and implemented third-party integrations for software health and usability monitoring such as AWS Sentry and Mixpanel into a blockchain trading platform.
- Programmed testing scripts in Python using Puppeteer to automate quality assurance reducing development time and increasing bug diagnosis thoroughness.

RESEARCH

New York University | Abu Dhabi, UAE   **May, 2021 - Present**
Low Mass X-Ray Binaries Research Assistant
- Researched MAXI J1348-630's evolution with multiple large multi-wavelength datasets contributing the world's first optical analysis of MAXI J1348-630.
- Completed detailed data analysis and interpretation producing useful insights into the mechanisms behind flares, mini outbursts and relativistic intergalactic jets.
- Constructed light curves, correlation plots, colour-magnitude diagrams, and spectral energy distributions.

Galactic Simulations Research Assistant
- Programmed simulations of NIHAO galaxies in Python from first principles with an insatiable curiosity to investigate the unknown properties of dark matter and energy.
- Collaborating with other researchers to design simulations, running the simulations, and analyzing the output.
- Developing tools and techniques to quantify the properties of dark matter and energy in the simulations and compared the results with observational data to validate the findings and identify potential avenues for future research

LEADERSHIP, COMMUNITY ENGAGEMENT AND AWARDS

1st Team Football Captain - NYU Abu Dhabi | Abu Dhabi, UAE   **September, 2022 - Present**

StartAD Pitch Off Champion, $5,000 Prize | Abu Dhabi, UAE   **2020**

NYU InnoVations Championship Runner Up | New York, USA   **2020**

TiE Young Entrepreneurship University Pitch Championship, 2nd Place | Abu Dhabi, UAE   **2020**

Won 12 Month TiE Dubai Mentorship Program | Dubai, UAE   **2020**

TYE-U Global Pitch Participant | Abu Dhabi, UAE   **2020**

Gold Duke Of Edinburgh Award | Cheltenham, UK   **2020**

Head Boy + House Captain | Cheltenham, UK   **September, 2017 - 2019**

Gold British Mathematics Olympiad Awards | Cheltenham, UK   **2012, 2014, 2015, 2016**

Gold British Physics Olympiad Awards | Cheltenham, UK   **2015, 2016, 2017**

SKILLS AND INTERESTS

Skills: Python, SQL, C++, JavaScript, HTML, CSS, React, REDUX, Material UI, Git, Figma, Jira, Confluence
Interests: Grade 8 Guitar, Piano, Singing, Music Producing, YouTube Content Creator, Travelling