Ciarán Mahon

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WORK EXPERIENCE

Icecap Sports, *IoT & Mobile Applications*   (April 2023 - Present)
Senior Software Engineer
- Implemented machine learning models that classify motion and determine speed based on data transmitted from bluetooth devices using Google Cloud and Python packages.
- Designed new architecture for mobile application and implemented with React Native, created data strategy, and established agile practices for the development team.

Fidelity Investments, Fund & Brokerage Technology   (June 2021- April 2023)
Full Stack Engineer
- *Order Connect* - Built AWS Lambda/Serverless APIs infrastructure, CI/CD pipelines, and front end interfaces for order flow management system at Fidelity. Created security, cloud resource, business logic, and tokenization diagrams. Automated deployment processes with Terraform. Established UX/UI standards with Fidelity managed design libraries.
- *Bond Beacon* - Used Angular, AG Grid, & Spring to create web components for bond sales systems.

Rilla.io, Web App Startup   (Jan 2018 – Mar 2020)
Co-Founder & Product Manager
- *Overview* - Rilla was a SaaS platform for innovation centers to run entrepreneurship programs, teach curriculum, view analytics, and manage pitch competitions.
- *Fundraising* - Presented business model and technical architecture to investment committees. Led team presentations for startup funding in various Boston-area startup pitch competitions.
- *Sales/Clients* - Led business development and problem discovery with customers. Implemented Rilla at Boston University's 10-week summer accelerator for student startups as solutions consultant.

Atkins Investment Group, Student-managed Investment Fund   (Jun 2017 – May 2018)
Portfolio Strategist
- Presented to 40 analysts regularly and made recommendations for sector investment strategies using Bloomberg Terminals to track and monitor global economic activity (Eurozone & LATAM focus).

Chemistry Research, Undergraduate Research   (Sept 2016 – May 2018)
Researcher
- Worked in a lab environment to discover the viability of using heteropoly acid catalysts in methane-methanol in order to lower energy inputs.
- Presented findings at research symposiums with a team of fellow undergraduates. Wrote lab reports and documented procedures according to scientific standards

SKILLS, CERTIFICATIONS, INTERESTS

- *Skills:* Python (incl. NumPy/Pandas), SQL, Cloud Engineering (AWS, Google Cloud), Git Version Control, Java/Spring, NodeJS, Angular, React, HTML/CSS/JS, Jira, Business Analysis, Financial Markets, Data-Intensive Applications, Snowflake
- *Publications:* https://www.bu.edu/innovate/ciaran-mahon-pivot/

EDUCATION

Boston University, College of Arts and Sciences   (2018 - 2021)
Bachelor of Arts: Applied & Pure Mathematics (Statistics Focus)
Minor: Business Administration