Mark Lawrence

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👤 Profile

> Recent graduate from the University of Leeds with a bachelor's degree in Mathematics, currently studying part time for a master's degree in computer science.

> Passionate about software engineering, with a particular interest in web development and cloud services.

🏛 Education

University of Bath   2020 – 2022
MSc Computer Science (online)

University of Leeds   2015 – 2019
BSc Mathematics

📊 Experience

TAP London   October 2019 – Present
Technical Consultant   *London*

> As a partner of a Adobe, we help provide clients with custom solutions using the Adobe marketing cloud, I personally have worked on a variety of projects for companies such as Metlife, Allianz and Sears.

> I implemented the RESTful software integration of an instance of Adobe Campaign Classic and Adobe Campaign Standard, ensuring it was secure using JWT. This enabled Sears' CRM team to be able to build campaigns in their preferred environment.

> I was also responsible for designing and creating an internal facing web app to allow Allianz' Petplan CRM team interact with their database without having to write any SQL.

Camp Echo   June - August, 2017, 2018, 2019
Jet Ski Instructor and Aquatics Counsellor   *New York*

> In charge of selecting 5 candidates from a group of 40 lifeguards and then training them to drive a jet ski whilst towing a tube and ensure all the lifeguards can perform all the appropriate rescues from the ski.

🧪 Projects

The Spatial Prisoner's Dilemma and the Evolution of Cooperation

> I wrote my dissertation on Evolutionary Spatial Games. This is a branch of mathematics that combines Evolutionary Game Theory and Cellular Automata.

> I built a piece of software using Python's native GUI library Tkinter that allowed a user to model 2D dimensional spatial games.

> Using this software I was able to recreate some interesting results first produced by Robert May and Martin Nowak in 1992, the project can be seen in detail on my GitHub.

⚙ Skills and Awards

Key Languages Python, JavaScript, HTML5, CSS/SCSS, SQL

Key Libraries Flask, React, Express

Awards Grade 8 Classical Guitar (abrsm), Silver Duke of Edinburgh, American Red Cross Certified Pool and Waterfront lifeguard