

James Christie

1 Falcon Brook Mansions, Balham
London, SW17 7AN

07307 193038 | jlc_christie@live.com | <https://jlcc.dev>

Software Engineer based in the UK with a mixture of client-facing professional experience in the FinTech sector combined with a brief background in Bioinformatics research. Searching for a short, fixed-term contract as a Software Engineer at an interesting organization.

PROFESSIONAL EXPERIENCE

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- ActiveViam** — *Software Engineer Consultant* July 2019 — Current
- Implemented an ActivePivot project (in-memory OLAP server written in Java) at one of the largest Asset Management groups in Europe.
 - Responsible for upgrading the ActivePivot Excel Add-In written in C#, in addition to researching and prototyping a new architecture, delivering the results to the team
 - Maintained in-house License Management software, proposed and implemented a new architecture (frontend in React, fed by new Spring REST service in the backend)
- University of Exeter Medical School** — *Graduate Research Assistant* June 2018 — October 2018
- Created a command-line tool in C++ to extract data from wrist-worn accelerometers from the UK Biobank
 - Proposed a method to retrieve ‘Sleep-Onset Latency’ from light data in the wrist-worn accelerometers
 - Performed a Genome-Wide Association Study to explore genetic variants associated with Sleep-Onset Latency
- Disigi** — *Web Developer* May 2017 — July 2017
- Setup and maintained server, NGINX set up as a reverse proxy to the gunicorn-served Django application
 - Worked with academics to implement proprietary multi-objective optimisation algorithm
 - Interactive graph-based UI developed in D3.js

EDUCATION

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- University of Queensland** — PhD Student, Program in Complex Trait Genetics January 2019 — May 2019
- Awarded a full University of Queensland Scholarship and Living Stipend to pursue a PhD at their campus in Brisbane, Australia
 - Developed a command-line tool to convert genotype file formats for use in a piece of legacy software to perform Identity-by-Descent calculations
- University of Exeter** — BSc (Hons) Computer Science September 2015 — July 2018
- Attained Upper Second-Class Honours (2:1)
 - Achieved 78% in final year dissertation titled “Using Ant Colony Optimisation to explore epistatic interactions associated with Type 2 Diabetes”
 - Vice President of the University Muay Thai Society, where we more than doubled the previous years sign-ups which was used to invest in a training space as well as equipment that has allowed the society to progress to the largest University Muay Thai society in the UK

PROJECTS

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- Shopify Auctions** October 2020 — Current
- Shopify App allowing a Shopify store to auction specific products in their store within the Shopify ecosystem
 - Auction backend created in Django, using Celery as a Task Queue to fulfil the purchasing of completed auctions; frontend written in React using Shopify’s Polaris library for a consistent user interface
 - Deployed using Docker (NGINX as static file server as well as reverse proxy for Django application, postgres database for Django, Celery is using RabbitMQ as a message channel)
- Kanzo** January 2020 — July 2020
- Rental Maintenance Management software allowing Agents, Landlords, Contractors and Tenants to submit and track maintenance issues whilst keeping everyone informed whilst the issue is resolved
 - Public-facing marketing website created using React; web app created using React as a frontend that is supported by a Django-based REST service that is hosted on Google Cloud Platform