# Jack Hawkins

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Portfolio: https://www.jackhawkins.xyz/

## PROFESSIONAL EXPERIENCE

**Mycelium - Tracer DAO**
Smart Contract Developer

April 2022 - July 2022

Part of Mycelium's smart contract development team. Hired via Tracer DAO and tasked with evolving and innovating their existing DeFi protocol.
- Designed and implemented a vote-escrow model which involved creating a vesting and yield system based on Curve's veCRV mechanisms and Balancers veBAL system.
    - Tech-Stack: ( Solidity, Vyper, Hardhat, Chai, ethereum-waffle, ethers, mocha)
- Designed and implemented a token migration project from start to finish.
    - Tech-Stack: (React, Typescript, Solidity, Hardhat, Waffle, Tailwind, Web3.js/ethers.js, Deployments, testing, IFPS, Yarn, NPM)
- Utilized Balancers SDK deploying weighted, stable and managed pools to mainnet and layer-2 networks such as Arbitrum.
- Implemented core updates to an internal bot providing details on the total TVL across various smart contracts.
    - These updates removed the need for manual intervention, seamlessly pulling any newly deployed markets and displaying relevant data using the Etherscan API.d
- Developed and deployed various scripts to provide stakeholders with a host of information on various AMMs created using Tracer's perpetual pools derivative product.
    - Hosted using Google's Compute Engine. Written in Python utilizing GraphQl to query data pulled from Tracers SDK.

**BNY Mellon**
Full-Stack Developer

July 2021- April 2022

Hired as a Graduate Developer working within the trade and securities sector.
- Designed and implemented an internal tool to display SonarQube and Veracode statistics by consuming various APIs using Angular and .Net Core
- Involved in a refactoring project to update a piece of software from VB to .Net which improved overall performance and increased test coverage using Agile (scrum) development

**15Below**
Software Developer

June 2018- July 2019

University Placement during which I developed and maintained systems for airline travel notification automation.
- Designed and implemented a solution to automate manual tasks, reducing time taken by 90%
- Designed and implemented solutions to various issues within the production environment.

## EDUCATION

**UNIVERSITY OF Surrey (UK)**
BSc (Hons) Computer Science: First Class Honours (76%)

Sep 2016 - July 2020

## OTHER

- **Languages:** Solidity, Typescript, Javascript, Java, Python, Vyper, SQL, CSS, HTML5,
- **Frameworks:** Hardhat, React, Tailwind CSS, Brownie, Web3.js, Alchemy, Ether.js, Openzeppelin SDK, Waffle, NodeJs, GraphQL
- **Skills:** Algorithms, Problem-Solving, Data Structures, OOP, Mathematics, Blockchain, EVM, CI/CD, TDD, Git