

# SCOTT JONES

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## EXPERIENCE

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**Stripe — Software Engineer Intern**  
*London, UK*

*May - August 2022*

**American Express — Software Engineer Intern**  
*Burgess Hill, UK (Remote)*

*June - August 2021*

- Developed a configuration and metrics dashboard for parallel-run internal payment network testing tool, cutting the time taken for business representatives to reconfigure the tool from multiple days to minutes, and freeing engineers from dealing with configuration requests
- Led development of a backend API using Java and the Spring Boot framework to access test data and change configurations by interfacing with PostgreSQL database and Consul cloud storage
- Used React to create a data-driven frontend UI dashboard with ChartJS graphs to visualise test data, filtering and grouping options, and an interface to easily configure existing testing tools
- Regularly presented to vice-presidents, directors, and senior leaders
- Deployed our application to OpenShift enterprise cloud using Docker and Jenkins

## EDUCATION

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**University of St Andrews**

*2019 - 2023*

MSci Computer Science (Integrated Masters) - Graduating May 2023 - Averaging First Class Honours

Placed on Deans' List for exemplary academic achievement in the 2020/21 academic year

**Relevant Modules:**

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| • Data Structures and Algorithms            | • Artificial Intelligence                  |
| • Operating Systems and Systems Programming | • Concurrency and Multi-Core Architectures |
| • Computational Complexity and Logic        | • Databases                                |

**Colchester Royal Grammar School**

*2017 - 2019*

GCE A-Level Mathematics (A), Computer Science (A), History (A), Physics (B)

Awarded Speech Day Prize for Computer Science in 2018 and 2019

## PROJECTS

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**Federated Social Media Network — Software Engineering Team Project**

*September 2020 - May 2021*

- Worked in a team to create a university-focused federated social media site with React and Django
- Represented my team in meetings with other teams to collaboratively design a protocol to federate content
- Produced regular progress reports and met regularly with our supervisor
- Used SCRUM methodology to develop in an agile way, organising regular SCRUM meetings remotely, building a backlog of user stories, and planning flexible development sprint cycles

**Luigi's Labsion — Hack the Bubble 2021 Solo Prize Winner — [repository link](#)**

*November 2021*

- Used Go and SDL2 to implement a fully-networked multiplayer LAN game in 9 hours at Hack the Bubble 2021

**AI Shakspearean Discord Bots — StacsHack 2021 3<sup>rd</sup> Place Prize — [repository link](#)**

*March 2021*

- Used Python, TensorFlow, and textgenrnn to train recurrent neural networks on Shakespeare for text generation
- Used the Discord API to create several bots, replying to eachother to act out a novel Shakespeare play in real-time

**Simple Linux Shell and Virtual File System**

*October - December 2020*

- Used C to implement a simple Linux shell and virtual File Allocation Table filesystem

## LANGUAGES AND SKILLS

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- **Programming Languages:** Java (9 years), Python (5 Years), JavaScript (4 Years), C (3 Years), Haskell (1 Year)
- **Tools and Technologies:** Git, React, NodeJS, Django, JavaFX, JUnit, JSON, AJAX, Linux, Spring Boot, SQL

References can be provided upon request