

Charlie (*Lily*) Bradshaw

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EXPERIENCE

Cyber Security Analyst & Full Stack Developer

Portfolio Experience:

- Conducted vulnerability assessments & performed penetration tests on HackTheBox and consenting peers using the high-level assessment methodology.
- Experience using PowerShell in conjunction with Bash and Python scripting to:
 - Automate the reconnaissance phases of security assessments and pen tests
- Implemented Vulnerability Management Functions on sandbox networks:
 - Discover, Prioritize, Access, Report, Remediate, Verify
- Back-end REST API Development with Node.JS and Express
- Front-end UI Development with HTML, Java & frameworks such as ReactJS
- Created Proof-of-Concept Malware such as: Keylogger & Ransomware for security awareness purposes.
- Implementation and development of Authentication & Integrity monitoring software
 - Dissection and understanding of networking protocols, third party & my own
 - Strong experience with cloud software services & multi-platform development



Website: <https://FabulousLily.com>



GitHub: <https://github.com/Original-Lily>

Workplace Experience:

06/2018 – 08/2018

Chosen Hill School - Technical Support & Management Intern

- Conducted & collaborated with staff on security audits and vulnerability assessments within the school's network infrastructure, identifying and mitigating potential risks.
- Responded promptly to IT related incidents/ problems, troubleshooting, and finding satisfactory resolutions, regarding both hardware and software issues.
- Maintained an up-to-date inventory of hardware and software on protected devices, ensuring patches and updates remained in line with advancing standards.
- Collaborated with external cybersecurity agencies such as ImperoSoftware in order to source and deploy security software or plugins effectively.

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1

EDUCATION

Chosen Hill School

A-Levels:

A* - ICT

A - Computer Science

B - Ext. Project Qualification

C - Mathematics

GCSEs:

7 - Further Mathematics

9 - Computer Science

8 - Creative iMedia

4 - English Literature

4 - English Language

6 - Physics

6 - Biology

6 - Chemistry

University of Kent – Stage One

Object Oriented Programming

Programming in Java & Python

Cloud & Network Computing

Virtual machines

Docker Containers & Network

Engineering in Bash

Databases

Development of Database

Management Systems & Zero-trust
access models

Mathematics & Algorithms

Using complex

Mathematical concepts to
produce solutions to unique
problems

University of Kent – Stage Two

Artificial Intelligence

Creation & concepts of Ai
and machine learning algorithms

Cyber Security

Understanding & awareness
of cyber security threats and
concepts & modern cryptography

Software & Web Development

Creation of software with
a strong focus on enterprise level
Application methodologies and
Front facing API utilization

Computer Systems

Deeper understanding of computer
technologies, from logic gates
to machine code & assembly

SKILLS & INTERESTS

University Society & Hobby Involvement

- **Esports Society**
 - Competitive and social player for high level video game tournaments
 - Specializing skills such as fast-paced teamwork, under pressure
- **Cyber Security Society** (in collaboration with the National Cyber Security Centre)
 - Experience taking part in events including cyber security outreach & education as well as CTF competitions
 - Demonstrating outside the box thinking and problem solving
 - Extra-curricular security awareness & experience
- **Swim Society**
 - Frequently attends socials and weekly practice
 - Consistent training and teamwork for events on a deadline
 - Peer to peer feedback and communication skills
- **Intermediate German Language Skills**