CALIN ILIE

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EDUCATION

University of Manchester, *School of Computer Science* September 2016 - June 2020

BSc in Computer Science with Industrial Experience

· First Year: First Class Degree standard
· Second Year: First Class Degree standard

DEVELOPMENT SKILLS

Languages	**Java, Go, Python, TypeScript**, PHP, C
Software & Tools	**Spring Boot, Jenkins, Docker, Kubernetes,** Helm, Google Cloud
	Linux, Git, Bash, Adobe Suite

EXPERIENCE - THE HUT GROUP

UK Software Engineer, *Application Security (development)* July 2018 - present

· **Magellan/Blackbeard**, Built a system to automatically scan for network vulnerabilities, and report on and exploit any vulnerabilities. Components were built in Spring Boot, using ActiveMQ, Apache Camel, and PostgreSQL, and deployed in Docker on Google Kubernetes Engine. Front-end was built in Angular 6 using ChartsJS, email reporter tool in Go with Viper/Cobra.

· **Security Hub**, Developed a web-based tool to automatically report on potential vulnerabilities throughout the codebase, and provide automated, relevant advice to developers using Spring Boot with MSSQL, and SonarQube, and eployed the system in Docker on a Kubernetes cluster.

PROJECTS

Leaflet.js project, *Personal Project* August 2017

· Developed a web application for visualizing polygons on a map at different timestamps
· Built front-end in Javascript with Leaflet.js, JQuery and Bootstrap and AJAX

Alexa Skill, *ICHack17, Imperial College London* January 2017

· Built an Alexa Skill which uses ML to read out positive news headlines
· Developed Python parser to get headlines from Bing News API, used Google's Natural Language API for sentimental analysis

Kilburn Online, *Team Project, University of Manchester* September 2016 - May 2017

· Part of a team of 7 that developed a 3D multi-player game in Unity
· Developed companion web application with secure login using PHP and JavaScript that displays game statistics from SQL database

ACADEMIC ACHIEVEMENTS

Student Ambassador, *University of Manchester,* January 2017 - Present

· Currently representing the University as a Student Ambassador. Working on events designed to promote the University of Manchester as a study destination to prospective students and parents

Algorithms Contest, *Pitesti, Romania* March 2014

· Ranked first place in Dan Barbilian Regional algorithms contest, competing against more than 100 participants