

EDUCATION	<p>University of Southampton, Hampshire, United Kingdom</p> <p>M.Eng. Computer Science with Distributed Systems and Networks 2015–2019</p> <ul style="list-style-type: none"> - COMP6212 Computational Finance: <i>understanding of financial sector and blockchain</i> - COMP3201 Cyber Security: <i>understanting of security in computer systems and networks</i> - COMP3218 Game Design and Development: <i>practical experience in developing games</i>
PROJECTS	<p>A PUF-enhanced blockchain-based Tracking System for Trustworthy Multi-Party Supply Chains</p> <p><i>Fourth year group design project — Java, Golang, Node.js, Hyperledger Fabric, Docker</i></p> <ul style="list-style-type: none"> - Project combining hardware and software to ensure supply chain security - Blockchain system built in Hyperledger Fabric with Golang library - RESTful API built in Node.js with Express.js and Fabric Node API - Client GUI application built in Java with JavaFX and Apache RXTXComm - Project manager in an agile environment, working with two teams, supervisors and a client from Defence Science and Technology Laboratory <p>Interactive code presentation for large groups of people using distributed computing</p> <p><i>Third year individual project — Java</i></p> <ul style="list-style-type: none"> - Research project into how peer to peer networks can be applied in scenarios similar to streaming <p>Deerkat - website scraping and data analysis</p> <p><i>Java, Gradle, JavaFX, JSoup</i></p> <ul style="list-style-type: none"> - Desktop application used to extract transactions from online banking statements to analyse and categorise them based on previous statements and user input - Can output data in a CSV file which can be imported into YNAB 4 for further analysis <p>Apex - self hosted linux server</p> <p><i>Ubuntu Server, Bash, Docker</i></p> <ul style="list-style-type: none"> - Self built and self managed headless Ubuntu server providing a variety of private and public services - Docker used to manage multiple containers to enable easier backups, management and replication - Serving multiple purposes: file server, security camera NVR, VPN, and software testing environment
PUBLICATIONS	<p><i>Journal paper — under peer review</i></p> <p>A Supply Chain Management System for Counterfeit Mitigation using Blockchain and PUF</p> <p>L. Aniello, B. Halak, P. Chai, R. Dhall, M. Mihalea and A. Wilczynski</p> <p>To be published in <i>Transactions on Services Computing</i></p>
RELEVANT EXPERIENCE	<p>Continental Powertrain, Brasov, Romania</p> <p><i>IT Department Intern</i> 2014</p> <ul style="list-style-type: none"> - Gained an understanding of the inner workings of a modern factory's departments, from human resources to IT, from maintenance to production. - Shadowed the Head of IT in his day to day tasks <p>American Computer Science League, Pennsylvania, USA</p> <p><i>Second Place in the Junior 5 Division</i> 2013</p> <ul style="list-style-type: none"> - Gained a deeper understanding of a variety of subjects such as algorithmics, boolean algebra, digital electronics, graph theory and data structures.
ACTIVITIES & INTERESTS	<p>Southampton Global Game Jam 2019</p> <p>Space Cadets, <i>member of an advanced programming society</i> 2015</p> <p>"Grigore Moisil" Computer Science Regional Contest, Romania, <i>several distinctions</i> 2011-2015</p> <p>National Physics Symposium, Romania, <i>third place in a cross-discipline project</i> 2013</p> <p>Cisco IT Essentials, <i>hardware and software</i> 2012</p> <p>National Computer Science Olympics, Romania 2012</p>
SKILLS	<p>Languages: <i>Romanian</i> — native, <i>English</i> — C2, <i>German</i> — A2</p> <p>Software proficiencies: \LaTeX, Linux, Java, C#, Python, Docker</p>