

EMPLOYMENT

Software Developer	Playprint	Apr 2016 – Jan 2018
<ul style="list-style-type: none">Developed Java applications which improved the efficiency of in-house numbering processes by up to 80%Designed numbering solutions for over 20 clients, each with unique lottery formatsLead developer of an Android gaming app for bingo halls that has been delivered to over 10 different venuesAttracted business to the value of €15,000 - €20,000 by constructing promotional website conceptsAutomated the archival and categorization of scratchcard order details via SFTP, saving 20 minutes dailyMember of a self-organised, cross-functional development team which operated in an agile environment		

SOFTWARE PROJECTS

Field Sobriety Test App	Ongoing
<i>Android SDK; Java; Android Architecture Components</i> <ul style="list-style-type: none">An Android app intended for the police force, allowing field sobriety tests to be accessed and recordedReduces time spent on paperwork improving the operating efficiency of police officersAn application of architectural design, Android Architecture Components and Material Design	
swaps.tf	Jul 2017 – Sep 2017
<i>RESTful architecture; AngularJS; node.js; socket.io; Steam Web API; MongoDB</i> <ul style="list-style-type: none">A streamlined web app to trade virtual items instantly and automatically within Valve's Steam economyResulted in a 125% increase in transactions and a 75% increase in profits over standard trading botsMinimal administrator intervention required as prices are all updated through an external pricing API	
Lens	Jan 2017 – May 2017
<i>Android SDK; Java; Firebase; Location services; Augmented Reality</i> <ul style="list-style-type: none">An Android app for browsing user-generated content at the current location using augmented realityMakes use of a custom-built augmented reality library to display markers through the app's camera viewFeatures a comprehensive test plan which covers unit tests, UI tests and user acceptance testsAcademically, this project was awarded a First-Class Honours (highest grade available)	
Steam Trading Bot	Jul 2015 – Nov 2015
<i>C#; MySQL; Steam Web API</i> <ul style="list-style-type: none">An automated bot which traded virtual items to users of the Steam platformVirtual items were acquired for 30% below market value which enabled them to be sold at a profitOver 20,000 transactions completed with approximately 1,000 different users	

EDUCATION

BSc. Computer Applications	Dublin City University	Sep 2013 – May 2017
<i>Coursework:</i> Data Structures & Algorithms; Statistical Machine Translation; AI Search; Data Warehousing & Data Mining; Software Testing; Linear Algebra; Operating Systems Design; Human Computer Interaction		

LANGUAGES AND TECHNOLOGIES

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- Languages:* Java; JavaScript; Node.js; PHP; Python; HTML; CSS; MySQL; NoSQL
 - Technologies:* Android SDK; Steam API; Git; Subversion; AWS; Firebase; REST APIs; Linux