

# STEPHEN LAIDE

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## EMPLOYMENT EXPERIENCE

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### FoodCloud

iOS Developer

Dublin, Ireland  
January 2017 - Present

- Created and managed the Swift-based FoodCloud iOS application that is used to redistribute over 1.2 million meals every month from food producers and retailers to charities across the world
- Developed a communications microservice using Scala, Akka, and Play to integrate with multiple third-party messaging systems and customer APIs and drastically reduce FoodCloud's communication overheads; expanded the microservice to receive and process batch donation files emailed to FoodCloud by retail customers.
- Implemented a white-labelling strategy to rebrand, localize, and deploy the iOS app using Fastlane for multiple customers in different territories
- Developed offline-first functionality with Realm to ensure a consistent experience for customers with limited or intermittent connectivity
- Designed and developed a bespoke version of the iOS app with routing functionality that helped secure a licensing deal with the OzHarvest food bank network in Australia
- Created a "food camera" IOT device to enable wholesalers to efficiently donate large quantities of food

### Yuna

Co-founder

Dublin, Ireland  
August 2018 - January 2020

- Developed a system to deliver remote maternity care and validated the idea with paying customers
- Created a prototype web application using Python, Django and a PostgreSQL database deployed to Heroku to manage appointment bookings
- Conducted extensive user research and held product development sessions with prospective customers and a network of maternity specialists in Ireland and Chile
- Designed product vision, branding guidelines, business strategy, and website ([yuna.ie](http://yuna.ie))

### Kainos

iOS Developer

Belfast, United Kingdom  
June 2014 - August 2015

- Collaborated with a distributed Agile scrum team to develop Evolve for iPad – the UK market-leading platform for the digitisation and management of medical patient records used by over 100 hospitals. The application is written in Objective-C.
- Implemented proof-of-concept x-ray viewing functionality that secured a multi-million-pound contract with the South East Coast Ambulance Service (SECamb)
- Designed and developed a native iPad application in Objective-C for the SOS Bus volunteering services enabling them to efficiently co-ordinate their work across Belfast
- Redesigned iOS training material for the 2014 edition of AppCamp – an initiative created by the company to find and train top students in mobile application development
- Managed and delivered AppCamp 2014 and mentored the 7 finalists to develop their ideas into fully-realised applications on the iOS App Store

## EDUCATION

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### Queen's University Belfast

B.Eng (Hons) Software and Electronic Systems Engineering

Belfast, United Kingdom  
September 2012 - August 2016

- Graduated with a First Class Honours
- Volunteered as a Peer Mentor to provide support to first year students; spearheaded an initiative to provide extra-curricular software development education and mentorship

## PROJECTS

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### **RouteScout** (formerly Mile Mapper)

[apps.apple.com/app/routescout/id1485394250](https://apps.apple.com/app/routescout/id1485394250)

- Designed and developed Mile Mapper - an Objective-C iOS application that builds looped walking and running routes based on a desired distance
- Implemented a marketing strategy that resulted in Mile Mapper being featured on the App Store, IMAGE magazine, Gadget magazine, theJournal.ie, and broadsheet.ie and achieved an average of approximately 40,000 downloads per year
- Rebuilt the application in Swift and relaunched it as RouteScout

### **Multicore Distributed Dictionary Learning**

[github.com/laideybug/multicore](https://github.com/laideybug/multicore)

- Created the first experimental study of a distributed machine learning algorithm on a multicore platform. The implementation was developed in embedded C on a Parallella Epiphany 16-core Microserver
- Deployed the implementation on the bi-clustering of microarray gene expression data and optimised the deployment for a 50% increase in throughput
- Authored a research paper that was published at the International Conference on Acoustics, Speech, and Signal Processing (Multicore Distributed Dictionary Learning: A Microarray Gene Expression Bi-clustering Case Study - ICASSP 2017)

## ACHIEVEMENTS & AWARDS

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### **Start-Up Chile Finalist**

Start-Up Chile

Santiago, Chile

January 2019

- Accepted as one of 20 global teams to Start-Up Chile's entrepreneur development program
- Achieved early-stage product validation of Yuna (see above) and reached the final stage of the competition in front of a panel of industry leaders and business experts
- Secured €15,000 in seed funding to develop the business proposition

### **Civica Electronic & Software Engineering Prize Winner**

Queen's University Belfast

Belfast, United Kingdom

July 2016

- Achieved the highest marks of all students graduating with a degree in Software and Electronic Systems Engineering in 2016

### **Allstate Connected Car Hackathon Overall Winner**

Allstate NI

Belfast, United Kingdom

December 2014

- Developed a working prototype of an iOS application that aimed to improve driving by leveraging and analysing data from the Allstate Connected Car API
- Implemented an achievements system to reward users for safe driving

### **Kainos AppCamp Overall Winner**

Kainos

Belfast, United Kingdom

April 2014

- Pitched the idea for Mile Mapper (see RouteScout above) to a panel of industry experts and was selected as one of 7 finalists to develop the idea into a real mobile application
- Achieved 6 times more downloads than any other participant in the competition
- Awarded Best App and was subsequently awarded an internship with the company

## REFERENCES

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Available upon request.