Feargal Walsh

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TECHNICAL SKILLS

Programming: Swift (9 mos), Python (6 mos), Java (6 mos), XML (6 mos), HTML (6 mos), C# (3 mos), CSS (6mos), JavaScript (6 mos), Scala (3 mos).

Environments and Technologies: Git, Sketch, Xcode, Android Studio, Firebase(iOS), AWS EC2, Cordova, Anaconda distribution, IntelliJ IDEA, JUnit.

Development: Agile methodologies, Object-Oriented design patterns, Android development, iOS development, APIs, Test Driven Development, Functional Programming.

EXPERIENCE

iOS Developer   *09/16 – 04/17*

Kyve App: Chicago, Il.

- Wireframed, prototyped and applied agile methodologies to designing an MVP for the client.
- Defined UI/UX, functional and nonfunctional requirements.
- Developed schema for back-end database using Firebase.
- Developed code for front-end iOS Application, currently being beta tested on users.

EDUCATION

Loyola University Chicago   *01/17 -05/17*

MSc Computer Science; GPA: 3.6

- Subjects completed to date: Introduction and Intermediate Object-Oriented Programming, Open-Source Computing, Data Structures, Machine Learning, Mobile App. Development, Theory of Programming languages, Software Engineering

National University of Ireland, Galway   *08/09 – 10/14*

BEng Mechanical Engineering

PROJECTS

Blogger App in Swift   *01/16*

- Used Google's Blogger API to develop an application that utilized a TableViewController to develop an interface of cells displaying titles of blog postings.
- User tapping a cell leads to view controllers displaying the full postings in a UIWebView.
- https://github.com/feargswalsh92/blogReaderApp

Machine Learning IMDB Ratings *11/16*

- Cleaned data from a Kaggle dataset using the Numpy and Pandas Python libraries, visualized data correlation using the Seaborn library.
- Trained Support Vector Machine, Logistic Regression and K-nearest neighbors models from the scikit-learn library on the dataset.
- https://github.com/feargswalsh92/mlIMDBProject

Loyola Classifieds *09/16 – 12/16*

- Used Cordova APIs such as location services and photo gallery using HTML, CSS and JS.
- Collaborated with team on design, presentation and backend configuration using MySQL.
- https://github.com/hemenwaynick/LoyolaAds

COMMUNITY OUTREACH AND ACCOLADES

Campus 1871 *03/17*

Runner-up

- Part of a team that developed a business for an augmented reality application called Muzé.
- Built a prototype using Swift and the HDAugmentedReality library.
- http://bit.ly/2nI1krj

#ChangeBanking *03/17*

Winner: Best Voice Experience

- Developed GrowthTree, an Alexa skill for simple daily budgeting using Capital One APIs.
- http://bit.ly/2pwe5Gw

All Things Swift Meetup *09/16 – Current*

Chief Organiser

- Organize, facilitate and present monthly meetups for other Swift enthusiasts.
- https://allthingsswift.org/

NGA Hackathon *10/16*

Winner

- Head of the team that built a web application for crowd management in disaster scenarios.
- Used geolocation APIs from the HERE maps platform to source real-time data to develop the app, written in JavaScript, HTML and CSS.
- http://expeditionhacks.com/chicago/