

MICHAEL MERANI

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EXPERIENCE

Freelance Developer | Upwork

NOVEMBER 2017 – APRIL 2018

- Tasked with developing iOS app for a client that encrypts and decrypts messages and files.
- Created user interface using XCode storyboard.
- Created HTTP request methods using RESTful web services to check user credentials and to create new accounts.
- Used iOS SDK to provide functionalities that allows user to email, save, and share encrypted content and display decrypted content.
- Tools Used: XCode, Objective-C

iOS Developer | Cacira Inc.

MARCH 2017 – SEPTEMBER 2017

- Contributor in the design, development and deployment of two iOS apps, Neighboring and Dazzl.
- Developed essential back-end and front-end app features that connected database information with user interface.
- Rewrote existing code that reduced repetitiveness and reduced memory usage.
- Collaborated with database team to implement new API's and modify existing ones.
- Tools used: Swift (Dazzl), Objective-C (Neighboring), XCode, RESTful web services, Sequel Pro, Postman, various open sourced APIs.
- More information about the apps can be found at neighboringapp.com and dazzl.co.

PERSONAL PROJECTS

Movie Trailer Sentiment Analysis | Machine Learning App

- Machine Learning app that uses Natural Language processing to predict sentiment of user comments on a movie trailer that is on YouTube.
- Tools used: Python, HTML/CSS, Brackets, Jupyter Notebook, Google API, AWS Beanstalk
- github.com/mmerani/movie-trailer-sentiment-analysis

TECHNICAL SKILLS

- Programming Languages : Python (Proficient), Swift (Proficient), Objective-C (Proficient), C++ (Intermediate), Java (Intermediate)
- Technologies : Restful web services, iOS SDK, SQL/Firebase, Linux (terminal commands), Anaconda, GitHub
- Python Proficiencies : Numpy, Pandas, Matplotlib, Scikit-Learn
- Concepts: Data Structures, Objected-Oriented Programming, Machine Learning, Data Science, Relational Databases, Algorithmic Complexity, Design, Statistics

EDUCATION

Bachelor of Science in Computer Science | Florida Atlantic University

December 2016

Relevant Coursework Completed: Object-Oriented Design/Programming, Data Structures, Foundations of CS, Logic Design, Intro to C, Microprocessor Systems, Computer Operating Systems, Internet Computing, Database Structures, Programming Languages, Principles of Software Engineering, Data Comm., Design & Analysis of Algorithms, Matrix Theory

Bachelor of Arts in Criminology | University of South Florida

August 2014

Certificate in Data Science | University of Washington

October 2018 - Present