IAN MOBBS

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EDUCATION

The University of Texas at Austin　　Management Information Systems　　May 2018
Computer Science
GPA: 3.32, University Honors

EXPERIENCE

Capital One – *Software Engineering Intern;* McLean, VA　　July 2017 – August 2017
- Built system for financial investigators to find news articles about subjects under investigation, serving approximately 600 users hundreds of articles every day
- Designed a scalable microservice-based architecture for the entire anti-money laundering division, capable of serving thousands of concurrent requests
- Developed Python-based API to analyze and gather investigator feedback for model development and A/B test different article ranking algorithm efficiency

KVRX Austin – *Web Developer;* Austin, TX　　July 2016 – December 2016
- Oversaw transition from Drupal CMS to in-house solution built with Django
- Consolidated requirements from each department into specification sheet for development
- Developed backend to allow deejay and administration management of playlists, shows, and profiles

The University of Texas at Austin – *IT Senior Student Associate;* Austin, TX　　September 2015 – December 2016
- Coordinated and ensured proper functionality of classroom technology while keeping information secure
- Implemented custom software and hardware solutions for classroom and personal computers
- Supervised equipment checkout and maintained logs of equipment location

Do512 – *Business Development and Marketing Intern;* Austin, TX　　December 2014 – May 2015
- Coordinated South by Southwest business development plan by communicating with potential company partners
- Launched initiative to help list and promote events for The University of Texas at Austin
- Maintained website by posting, editing, and reviewing hundreds of website events

PROJECTS

Backtrader – *Evaluate stock trading systems over time*　　April 2017
- Created system to test trading strategies over historical stock prices using Python and Pandas
- Provides return rates, strategy analysis, and portfolio value graphs via a command line tool

Melanie – *Diagnose malignant melanoma from images of* moles　　December 2016
- Trained Tensorflow Inception-v3 on hundreds of images of benign and malignant moles to identify cancerous cells
- Wrote iOS application to take pictures and send them off to server for classification, then return the diagnosis

DailyDevTalk – *Connect with other developers over Twitter*　　November 2016
- Developed Twitter bot that tracked software-related hashtags and connected people talking about similar topics
- Analyzed the sentiment and content of each tweet and connected users based on similarity

PayWithText – *Send money securely over SMS (Finalist at HackTX 2016)*　　October 2016
- Developed SMS based payment system using Flask, Twilio, and a Capital One banking API
- Allows for payments and payment requests to any phone number while tracking balance for every user

KVRX Livestream – *Listen to KVRX while browsing the web*　　June 2016
- Wrote extension for Google Chrome that allows you to listen to 91.7 KVRX Austin while browsing the web
- Developed persistent background script containing non-intrusive livestream and updated track information in real time

ADDITIONAL INFORMATION

Languages: Python, Go, Java, Swift, JavaScript, HTML5, CSS3, SQL, PHP, C#
Services: Amazon Web Services, Heroku, Twilio, Tweepy, Travis CI, Circle CI, Pytest, Coverage
Frameworks: Flask, Node.js, Django, ASP.NET, Scikit-Learn, Pandas, Jupyter
Work Eligibility: Eligible to work in the U.S. with no restrictions