

# IAN MOBBS

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## EDUCATION

<b>The University of Texas at Austin</b>	Management Information Systems Computer Science GPA: 3.32, University Honors	May 2018
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## EXPERIENCE

**Capital One** – *Software Engineering Intern*; McLean, VA July 2017 – August 2017

- Built system for the anti-money laundering division to track and analyze news about subjects under financial investigation
- Designed a microservice architecture for offering system to all in-house developers for other projects
- Developed Python-based API to interact with several external APIs and an internal article scoring model

**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