

# 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

<b>Lower48 Analytics</b> – <i>Software Developer</i> ; Austin, TX	September 2017 – Present
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- Support design of a scalable system for oil and gas analytics software by offering language and infrastructure suggestions
- Responsible for working with outside software development firm to create system requirements and plan minimum viable product

<b>Capital One</b> – <i>Software Engineering Intern</i> ; McLean, VA	June 2017 – August 2017
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- 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

<b>KVRX Austin</b> – <i>Web Developer</i> ; Austin, TX	July 2016 – December 2016
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- 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

<b>The University of Texas at Austin</b> – <i>IT Senior Student Associate</i> ; Austin, TX	September 2015 – December 2016
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- 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

## PROJECTS

<b>Backtrader</b> – <i>Evaluate stock trading systems over time</i>	April 2017
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- 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

<b>Melanie</b> – <i>Diagnose malignant melanoma from images of moles</i>	December 2016
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- 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

<b>DailyDevTalk</b> – <i>Connect with other developers over Twitter</i>	November 2016
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- 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

<b>PayWithText</b> – <i>Send money securely over SMS (Finalist at HackTX 2016)</i>	October 2016
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- 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

<b>KVRX Livestream</b> – <i>Listen to KVRX while browsing the web</i>	June 2016
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- 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