IAN MOBBS

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EXPERIENCE

Qualtrics – *Software Engineer;* Seattle, WA   July 2018 – Present
- Engineer on the Identity Services team, responsible for all authentication, authorization, and user data management
- Enabled Qualtrics as an identity provider for third party applications using the OAuth 2.0 and OpenID Connect protocols for all grant types, allowing third parties to authenticate and authorize with Qualtrics accounts
- Implemented the collection and storage of custom user attributes from users during the initial signup flow, allowing organizations to view their Qualtrics usage by user attribute (typically accounting entities)

Capital One – *Software Engineering Intern;* McLean, VA   June 2017 – August 2017
- Built system for approximately 600 financial investigators to find news articles about subjects under investigation
- Designed a scalable microservice-based architecture for the system, available to the entire anti-money laundering division
- 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

PROJECTS

Stickerlack – *Print and ship stickers from custom Slack emoji*
- Integrated with Slack to pull emoji and generate sticker sheets PDFs based on selected emoji, quantity, size
- Developed user management and checkout application using Django and Stripe to track, ship, and fulfill orders

Backtrader – *Evaluate stock trading systems over time*
- 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 interface

Melanie – *Diagnose malignant melanoma from images of moles*
- Trained Tensorflow Inception-v3 network 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*
- 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 via SMS (Finalist at HackTX 2016)*
- Developed SMS based payment system using Flask, Twilio, and Capital One banking API
- Allows for payments and payment requests to any phone number while tracking balance for every user

EDUCATION

The University of Texas at Austin   Management Information Systems   May 2018
                                          Computer Science
                                          GPA: 3.34, University Honors

ADDITIONAL INFORMATION

Languages: Python, Java, JavaScript, HTML5, CSS3, SQL
Frameworks: Flask, Django, Spring, Spring Boot, Node.js, Angular, React, React Native
Services: Amazon Web Services, Heroku, Grafana, Sumo, Jenkins
Work Eligibility: Eligible to work in the U.S. with no restrictions