Harry Coultas Blum

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I have worked, consulted and help direct several teams to deploy high quality software systems. I am passionate about starting a career in data science using the skills I have recently taught myself on the fastai course. I setup my own rig to run experiments and have been using almost entirely open source software.

Experience

Fastai Audio (May 2019 - Present):
Helped to create a library to work with audio data through fastai. We are currently working on makings SOTA audio techniques easier to use.

Depth Perception (May 2019): Created and applied a depth perception model to drone

FaceRec Drone (April 2019): Created a drone that follows me around the house by my face.

Full Stack Developer at "Seequestor" (July 2018 - March 2019)*:*
Working in a fast paced environment I helped maintain legacy software, setup continuous integration and docker deployment systems for new software, building react web applications and evaluating facial recognition software.

Whodat (July 2018):
Created a mobile application to scan faces from a photo and find celebrities. Later sold to Seequestor.

Full Stack Developer "HUM Live" (July 2017 - June 2018) *:*
Working with the designer and founders of the company and external contractors, my role was to consult on project feasibility, structure, planning and organise development timelines. During my time here I created the MVP of the companies mobile app, mobile API, content management system and web scraper.

Founder of "Yoke" (January 2017 - January 2018) *:*
I created a mobile application that would connect peoples social media profiles together via NFC or QR code.

Spot Markets High Street Project (May - September 2016) (UCL + *Microsoft):*
Co-led a team of 8 engineers to create a system to recommend local small business products. Created and evaluated the recommendation engine that would choose item recommendations. Authored short paper "Teaching Recommendation Engines How to Forget".

"Prelect" Dissertation (2015) *(University of Essex):*
Predicting the 2015 UK General Election. Data Mining application deployed on a raspberry pi to collect tweets in relation to the election. Sentiment Analysis to predict whether these tweets were negative or positive.

Qualifications

University College London *(2015-2016)* MSc - *Software Systems Engineering*
[First] University of Essex (*2011-2015*) BSc - *Mathematics with Computing*

Technologies

Fastai, Pytorch, Pandas, Numpy, Jupyter, AWS Lambda, SQS, ElasticSearch, DynamoDB, Postgres, Docker, Git, React, Express, ava, serverless, Ubuntu.