David Pollack

Experience

Co-Founder and CTO @ Cygnus Association Management

(Atlanta — Aug 2014 - Present)

Founded an real estate management company to manage residential and commercial properties in Atlanta, GA. Responsible for the organization's technological solutions, including but not limited to Google Apps infrastructure, company web presence, and payment services. Collaborate with other cofounders regarding all strategic aspects of the company. Work 100% remotely.

Senior Consultant @ Navigant

(Atlanta — Sep 2006 - Apr 2013)

Completed re-underwrites of over 750 residential home loans for several of the TBTF (Too Big To Fail) US banks in disputes related to the US housing crisis. Managed and reviewed team members' work product. Developed software to automate repetitive tasks that cut the per-loan prep time by an order of a magnitude. Promoted in 2007 and 2010.

Machine Learning Engineer @ YEAY GmbH

(Berlin — Jan 2018 - Present)

My primary role was to use object recognition on videos to identify different classes of clothing. I utilized a Mask R-CNN-based network with custom additions for blur detection to select the clearest frames. Data prep included finding an appropriate dataset, writing scripts to translate between various annotation formats (PASCAL, COCO, YOLO) and add missing fields such as segmentation naively or algorithmically (i.e. GrabCut). Additionally, I dockerized my solution to make it more portable.

Founder @ Tinavg: Alphabets for Everyone

(Berlin — Mar 2015 - Dec 2016)

Tinavg, This Is Not A Vocabulary Game, utilizes different languages to create a fun, fast-paced pattern matching game that is suitable for all ages. The webapp is constructed on Google Polymer technology stack.

Volunteer Program Director @ Rütli Schule

(Berlin — Jan 2014 - Jul 2016)

Lead an optional English program for students in the 11th, 12th, and 13th class at the Rütlischule in Neukölln. We guide students through various web apps that they can use to improve their English, while encouraging students to overcome their fear of speaking with native English speakers.

Self-Employed @ Private Tutor

(Berlin — Jun 2013 - Oct 2015)

Develop a personalized curriculum to ensure students excel at the GMAT, while mentally preparing students to deal with the stress associated with taking the exam.

Lebensmittelhelfer @ Prinessinnengarten

(Berlin — Jul 2014 - Oct 2014)

Worked in a multicultural, multilingual kitchen at a popular community garden in Berlin. In addition to cooking, my responsibilities included a significant amount of customer service duties in multiple languages with customers from all over the world.

Creator @ Joomla! Google Maps Plugin

(Atlanta — Jun 2005 - Sep 2006)

Developed and supported the first Google Maps API plugin for the popular CMS, Joomla! 1.0, in the PHP programming language. Implemented a reverse geocoder prior to the inclusion of this feature in the official Google Maps API. Provided customer support to thousands of users from all over the world. Monetized the project with Google AdWords.

Education

- Master's Program in Economics and Management Science from Humboldt Universität
- Bachelors of Arts in Economics from Emory University in 2005
  - Overall GPA: 3.171
  - Major GPA: 3.55

Test Scores

- GMAT
  - Verbal: 45 (Percentile: 99)
  - Quant: 49 (Percentile: 83)
  - Overall: 760 (Percentile: 99)
- GRE
  - Verbal: 162 (Percentile: 89)
  - Quant: 164 (Percentile: 88)

- Analytical Writing: 4.5 (Percentile: 80)
- TestDAF
  - Leseverstehen: 3
  - Hörverstehen: 3
  - Schriftlicher Ausdruck: 3
  - Mündlicher Ausdruck: unter 3

Languages

- English (native)
- German (professional working proficiency)
- Arabic (basic)
- French (basic)

MOOCs

- Algorithms: Design and Analysis Part 1 from Stanford University (Coursera)
- Social and Economic Networks: Models and Analysis from Stanford University (Coursera)
- A Beginner's Guide to Irrational Behavior from Duke University (Coursera)
- Competitive Strategy from Ludwig-Maximilians-Universität München (LMU) (Coursera)
- Advanced Competitive Strategy from Ludwig-Maximilians-Universität München (LMU) (Coursera)
- Introduction to Recommender Systems from University of Minnesota (Coursera)
- Introduction to Art: Concepts & Techniques from Penn State University (Coursera)
- Developing Innovative Ideas from University of Maryland (Coursera)
- Gamification from University of Pennsylvania (Coursera)
- The Global Business of Sports from University of Pennsylvania (Coursera)
- An Introduction to Marketing from University of Pennsylvania (Coursera)
- 3.01x: Age of Globalization from University of Texas Austin (edX)
- Making Sense of Data from Google (Google)
- The Future of Storytelling from Fachhochschule Potsdam (Iversity)
- CHEM181x: Food for Thought from McGill University (edX)

Github

- Username: dhpollack
- pytorch/pytorch
  - 3505 - improvements to ModuleList and ParameterList classes
  - 2657 - Add PadNd functions
- pytorch/audio

- 16 - mu-law companding transform
- 15 - add MEL spectrograms transform and fixed a few tests
- 13 - update save/load to prevent bad inputs
- 11 - basic transforms and two datasets
- 10 - add gitignore
- 4 - bytes function requires type
- rasa_nlu
  - 443 - add sklearn-crfsuite install instructions
- edX
  - 1119 - Update README.md
  - 1166 - make backup of previous server-vars.yml
  - 1285 - added ansible task to add chris-lea ppas for current version nodejs
  - 1286 - COMMON_ENABLE_BASIC_AUTH to False in ansible/comment/defaults/main.yml
- dogecoin.com
  - 46 - initial internationalization commit with jquery.i18n plugin
  - 48 - added internationalization back to main page
  - 49 - changes noted by user Moldu and .gitignore for testing
  - 59 - Added Gemfile for easier testing with Jekyll
- jquery.i18n
  - 71 - specified locale wasn't loading when dir was used in load()

Activities

- Freiwilliger @ Notunterkunft für Flüchtlinge bei Stadtmission Berlin
- Freiwilliger @ Prinzessinnengarten
- Duolingo
- OpenEdx Contributor
- MoBro @ Movember
- Cycling
- 2020 All-Stars Fantasy Baseball Podcast
- Tinavg - An Alphabet Learning Webapp
- Bouldering