Nadja Rhodes

Software/ML Engineer

🌐 iconix.github.io

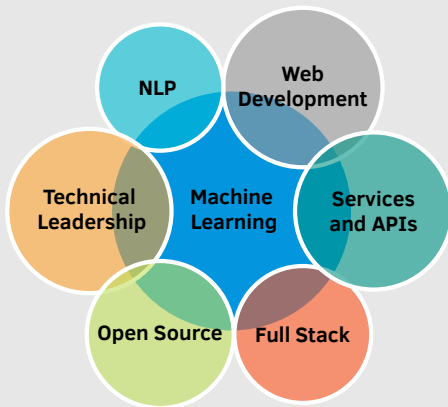✉ narhodes1+res@gmail.com

in /in/nadjarhodes

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Skills
Overview

Programming

HTML5 • TypeScript • JS

C# • Python • PyTorch • NoSQL

R • Rails • Shell • Java • SQL

C • C++ • LaTeX

Projects & Conferences

- [YouTube] @deephypebot final project presentation at OpenAI
- [GitHub] fast.ai coursework & notes
- [Blog] An ML model for task extraction
- [Blog] A ported Python analysis of *Love Actually*
- [Blog] A guide to topic models & dimensionality reduction
- *National Society of Black Engineers Annual Convention* - Mar 21-25, 2018
- *Women in Data Science Conference* - Feb 3, 2017 & Mar 5, 2018 (online)
- *Grace Hopper Celebration of Women in Computing* - Oct 19-21, 2016
- *Y Combinator's Female Founders Conference* - Mar 1, 2014

Education

2009 - 2013	**B.S. Computer Science**	Stanford, CA
	Stanford University, School of Engineering	

Experience

Jan 2019 - Present — **Lead Machine Learning Engineer** — ASAPP

- Working on natural language understanding and scalable deep learning infrastructure for Fortune 500 companies.

Jun 2018 - Sep 2018 — **Deep Learning Scholar** — OpenAI

- Granted a scholarship to study deep learning full time under mentorship by Natasha Jaques (MIT, DeepMind). Focused on techniques in language modeling and generative text for natural language processing (NLP).
- Developed and open-sourced a deep generative language model trained on past human music writing, compiled from the web and conditioned on attributes of the referenced music. Model outputs are deployed live via @deephypebot, a Twitter bot that automatically finds ongoing discussions about music and generates new music commentary.

Sep 2013 - Sep 2018 — **Software Engineer 2** — Microsoft, OneNote Services

- Started a machine learning and NLP incubation effort with three other engineers. Delivered prototypes in the note-taking domain.
- Rebuilt and open-sourced the OneNote Web Clipper (a multi-browser extension for extracting web content into OneNote) on a modern, React-like library. Primary architect of V1 data collection infrastructure, enabling real-time health monitoring and data-driven decision making about where to invest next in the product.
- Primary developer for V1 of onenote.com/notebooks, the main entry point for 4M monthly active users to find and access their OneNote content online.

Self-Study

- Practical Deep Learning for Coders by Jeremy Howard (fast.ai) - Completed 2018
- Machine Learning by Stanford University/Andrew Ng (Coursera) - Completed 2014
- R Programming by Johns Hopkins University (Coursera) - Completed 2016
- The Data Scientist's Toolbox by Johns Hopkins University (Coursera) - Completed 2016

Internships

Summer 2012 — **Trainee** — NTT Communication Science Laboratories, Japan

- Linguistic Intelligence Research Group. Sequential pattern mining with PrefixSpan.

Summer 2011 — **Intern (BOLD Engineering Practicum)** — Google, Inc.

- Google AdWords Display Network. Contextual Targeting Tool.

Summer 2010 — **Research Assistant, Sociology Department** — Stanford University

- Data mining in LexisNexis Academic under Dr. Amanda J. Sharkey.