Nadja Rhodes

Software Engineer 2

(443) 987-6589

iconix.github.io

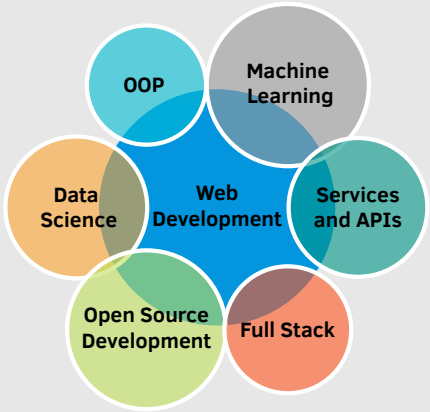
narhodes1+res@gmail.com

/in/nadjarhodes

iconix

Skills

Overview



Programming

HTML5 • TypeScript • JS

C# • Python • R

Rails • Shell • Java

C • C++ • LaTeX

Projects & Conferences

- A task extraction model
- Topic models & dimensionality reduction
- *pkmn.mars* React + DeepNLP web app
- Kaggle: *State Farm Distracted Driver Detection* & *Dogs vs. Cats* (post-contest)
- fast.ai coursework
- A Python translation of an R analysis of *Love Actually*
- *Women in Data Science Conference* - Feb 3, 2017 (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

Mar 2016 - Present **Software Engineer 2** Microsoft, OneNote Services

- Prototyped practical applications of machine learning and natural language processing in the notetaking domain, as part of a brand new incubation effort.
- Rebuilt and open-sourced the OneNote Web Clipper, a multi-browser extension for pulling web content into OneNote notebooks, on a modern React-like library.
- Primary architect of V1 data collection infrastructure for the Web Clipper. Enabled real-time health monitoring and data-driven decision making about where to invest next in the product.

Sep 2013 - Mar 2016 **Software Engineer** Microsoft, OneNote Services

- 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.
- Engaged in exploratory data analysis using AzureML Studio (private preview) to find leading indicators of long-term, engaged OneNote users. Efforts led to funding user communication campaigns.
- As a direct result of exploratory work above, delivered first-ever email campaign by the OneNote org; automated the process of finding new users and sending them welcome emails, via backend agents and a reusable notifications pipeline.

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
- Implemented additional features to standard sequential pattern mining algorithm (PrefixSpan), introduced to distributed computing via Hadoop.

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

- Google AdWords Display Network
- Developed and released client-motivated UI feature for Contextual Targeting Tool, used to build advertising campaigns.

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

- Supervised by Dr. Amanda J. Sharkey
- Optimized manual data mining project by developing Python code to automate LexisNexis Academic news database searches.