Nadja Rhodes

Software/ML Engineer

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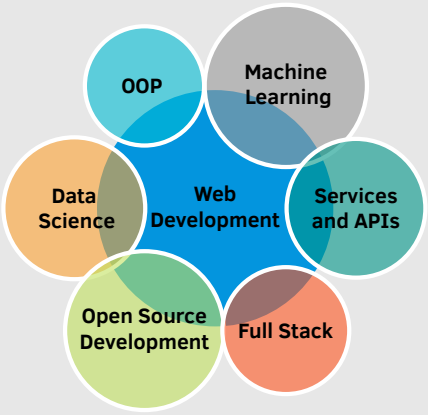
iconix

Skills

Overview



Programming

HTML5 • TypeScript • JS

C# • Python • R

Rails • Shell • Java

C • C++ • LaTeX

Projects & Conferences

- OpenAI Scholar work on GitHub
- fast.ai coursework & notes on GitHub
- A task extraction model
- A ported Python analysis of *Love Actually*
- A guide to topic models & dimensionality reduction
- *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

Jun 2018 - Present **Deep Learning Scholar** OpenAI

- Granted a scholarship to study deep learning full time under 1:1 mentorship. Focused on techniques in language modeling and generative text for natural language processing (NLP).
- Follow my progress! https://iconix.github.io/tags/openai

Sep 2013 - Present **Software Engineer 2** Microsoft, OneNote Services

- Started a machine learning and NLP incubation effort with three other engineers. Delivered practical prototypes for 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.
- Engaged in exploratory data analysis to find leading indicators of long-term, engaged OneNote users. As a result, delivered first-ever email campaign by the OneNote org; automated the process of finding new users and sending them welcome emails, via back-end agents and a reusable notifications pipeline.
- 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
- 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.