

# Nadja Rhodes

## Machine Learning Engineer



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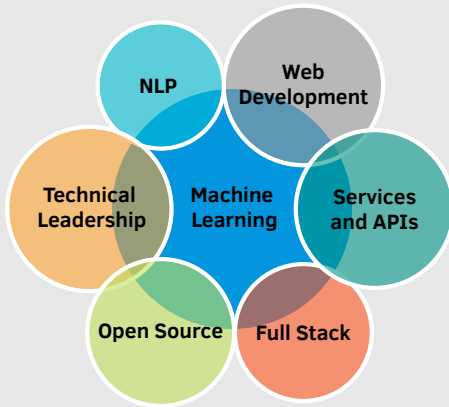


/in/nadjarhodes



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## Skills Overview



## Programming

Python • PyTorch

TypeScript • JS • HTML5 • SQL

C# • Bash • R • NoSQL

Rails • Java • C++ • C •  $\text{\LaTeX}$

## Projects & Conferences

- Association for Computational Linguistics (ACL) - 2019
- OpenAI Scholars Demo Day - 2018
- National Society of Black Engineers (NSBE) Annual Convention - 2018
- Grace Hopper Celebration of Women in Computing - 2016
- Y Combinator's Female Founders Conference - 2014

## Experience

Jan 2019 - Present

**Staff Machine Learning Engineer**  
New York, NY

ASAPP

- Developing large-scale conversational AI models and NLP dialogue systems in sales and customer care for Fortune 500 clients.
- Building scalable deep learning training infrastructure to simplify the model development lifecycle for ML engineers and researchers.

Jun 2018 - Sep 2018

**Deep Learning Scholar**  
San Francisco, CA

OpenAI

- Granted a [scholarship](#) to study deep learning full time under mentorship by [Dr. Natasha Jaques](#).
- Focused on techniques in language modeling and generative text for natural language processing (NLP).
- Developed and open sourced [deephypebot](#), a deep generative language model trained on past human music writing, compiled from the web and conditioned on attributes of the referenced music.
- Deployed model outputs to a Twitter bot that would find ongoing music discussion and generate new music commentary.

Sep 2013 - Sep 2018

**Software Engineer II**  
Redmond, WA

Microsoft

- Team: [OneNote Services and Machine Learning incubation](#).
- 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.

## Education

2009 - 2013

**B.S. Computer Science**

Stanford, CA

Stanford University, School of Engineering

## 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

- 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](#).