Tim Schott

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Professional Summary

Experienced Software Engineer with cross-disciplinary skillset seeking a role focused on Natural Language Processing.

Education

University of California, Berkeley (expected) 2023
Master of Information and Management Science

University of Virginia 2019
Bachelor of Arts, Computer Science and Bachelor of Arts, English (with High Distinction)

Skills and Tools

Machine Learning, Natural Language Processing, Regression Analysis, Feature Engineering, Data Cleaning, Data Modeling
Java, Python, R, MySQL, MongoDB, Tensorflow, Keras, S3, EC2, Lambda, Git, Github Workflows

Work Experience

Brightspot Reston, VA
Back End Software Engineer, Client Services 2019 – 2021
- **Boston Consulting Group**: Architected integration with Apple News to syndicate bcg.com content to new channels of mobile viewership.
- **Mattress Firm***: Created automatic data ingestion framework for mattressfirm.com and sleep.com products that eliminated the need for publishers to manually maintain their 5000-product inventory.
- **Janes UK:** Designed an ETL Pipeline that seamlessly transforms editorial content into XML and persists data to S3 that increased publishing activity by 60%.
- **The Chronicle of Higher Education***: Developed authentication and payment forms via integrations with Auth0 and Stripe which mitigated fraud and raised subscriptions by 200%.

Brightspot Reston, VA
Back End Software Engineer Intern, Client Services 2018
- **CoStar Group**: Built REST API to deliver news content for costar.com. Learned agile development practices and how to work in the confines of large, professional codebases.

Research Experience

Honors Thesis, Department of English Charlottesville, VA
Reading "DT" Leaves: A Digital Analysis of the Lyrical Novel 2018 – 2019
- Performed extensive text-cleaning of 50-novel corpus using R and Python.
- Engineered 31 features and conducted classification with Random Forest and SVM.
- Awarded High Distinction by faculty committee and presented work at 2019 Chicago Colloquium on Computer Science.

Institute for Advanced Technology in the Humanities Charlottesville, VA
Research Assistant under direction of Prof. Jenniefer Petersen 2016 – 2019
- Analyzed SCOTUS opinions using R and Python to understand Free Speech and the First Amendment.
- Wrote NLP scripts for text cleaning, sentiment analysis and topic modeling.

Projects

timschott.com 2021
- Programmed portfolio website with Javascript, HTML, CSS to gain front-end experience.

sBOTus 2020
- Implemented gpt-2 in Python and gained experience with modern language models.

@WashingtonBezos 2020
- Wrote serverless Python code that automatically tweets Washington Post articles via Twitter bot.

logomancing.com 2019
- Created dictionary website using Node, MongoDB and Handlebars to gain front-end experience.