

David Peletz

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EDUCATION

MACALESTER COLLEGE

BA IN COMPUTER SCIENCE

May 2020 | Saint Paul, MN

Major: Computer Science

Minor: Data Science

Dean's List

Major GPA: 3.67

AIT BUDAPEST

Spring 2019 | Budapest, Hungary

Computer Science

Study Abroad Program

LINKS

LinkedIn:// [david-peletz](#)

GitHub:// [dpeletz](#)

COURSEWORK

Artificial Intelligence

Machine Learning

Data Science

Database Management Systems

Algorithm Design and Analysis

Software Design and Development

Object-Oriented Programming

SKILLS

PROGRAMMING

Proficient:

Python • Java • R

Familiar:

SQL • C • Scala

fastText • numPy • spaCy

TensorFlow • Ionic • Tableau

scikit-learn • matplotlib • Pandas

JavaScript • Hadoop • Kotlin

WORK EXPERIENCE

VISA | SOFTWARE ENGINEERING INTERN

June 2019 - August 2019 | Austin, TX

- Trained IBM Watson Cloud's Natural Language Understanding (NLU) and Classification (NLC) models on client survey data to perform sentiment analysis and business-defined category classification
- Led the creation of an end-to-end data pipeline using RapidMiner to ingest the survey data from a SQLServer instance, pre-process the data using the Google Translate API, and then run the NLU/NLC models and store the results into another SQLServer table
- Prototyped prepaid card fraud detection algorithms using Neo4J and PageRank

SWAE | SOFTWARE ENGINEERING INTERN - AI

September 2019 - December 2019 | Remote

- Researched various methods for text summarization by looking at academic papers and industry-standard libraries
- Built an automatic text summarizer using Gensim's TextRank algorithm which was used by over 20,000 users of this business decision-making platform

AUGMENT | DATA SCIENCE INTERN

May 2018 - Feb 2019 | San Francisco, CA

- Converted a JSON file containing 22K chat transcripts into Pandas dataframes
- Wrote a generic JSON to dataframe Python script to be used for similar tasks
- Applied NLP techniques like vectorization, sentiment analysis, clustering and entity extraction to suggest unique contextual message responses
- Utilized named entity recognition in TensorFlow to recognize attributes like addresses and client products

REFINITIV | SOFTWARE ENGINEERING INTERN

Sep 2018 - Dec 2018 | Eagan, MN

- Led the effort to develop the usage statistics and reporting pipeline for a financial market research platform
- Built usage reports using Hive to help business analysts make feature prioritization decisions
- Used NumPy and Pandas to update a weekly platform usage spreadsheet

PROJECTS

KIUMI Jan 2018 - May 2018 | Saint Paul, MN

- Worked with three students to build a mobile app using Ionic and Firebase to allow students to check into and view the occupancy of office hours

PARSELTONGUE Nov 2018 | HackPrinceton Hackathon Finalist

- Built a Google Chrome extension using JS and HTML to learn a foreign language by translating a certain percentage of a web page and then progressively changing the translated content coverage depending on user feedback