Devin Soni

CONTACT
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EDUCATION

Rutgers University 2015 – 2019
Bachelor of Science in Computer Science, Minor in Mathematics
GPA: 3.98
Member of the Honors College, and full scholarship recipient

EXPERIENCE

Airbnb Summer 2018
Software Engineer Intern
- Worked on the Trust – Content Moderation team
- Added new feature definitions to batch feature processing platform to capture various behavioral characteristics of hosts using Hive
- Iterated on supervised machine learning models to identify hosts trying to take guests off-platform using Python, NumPy, pandas, fastText, and scikit-learn
- Determined appropriate probability thresholds from classifier to trigger responses against offenders
- Integrated feature processing platform and real-time model scoring into rules engine service using Scala

Zillow Summer 2017
Software Development Engineer Intern
- Worked on a joint project between Personalization and Growth teams
- Developed data pipeline and automated training of autoregressive machine learning model that predicts property views using Scala, Spark, and MLlib
- Developed asynchronous task queue to update and populate new collections of homes using Java, Amazon SQS, and Redis
- Created necessary back-end and front-end functionality to display personalized collections of homes on the homepage of zillow.com using Java, Spring, and Apache Tapestry

Behavioral Informatics Lab at Rutgers University 2017 – Current
Data Science Researcher
- Worked on various projects relating to automatic cyberbullying detection
- Designed multimodal classifiers using textual, audio-visual, social, and temporal features
- First-author paper accepted to ICWSM 2018 and presented at Stanford

Wattvision (Y Combinator) Spring & Summer 2016
Software Engineering Intern
- Developed new features on a data analysis platform for sensor-provided energy use data using Python, Google Cloud Datastore, and Google Compute Engine
- Developed an API for a large project in collaboration with Princeton University

PROJECTS

Cranium (C, Travis CI):
Feedforward artificial neural network library written in vanilla C99; has 425+ GitHub stars

Solid (Python, numpy, pytest, Travis CI):
Derivative-free optimization framework written in Python; has 400+ GitHub stars

Tab Organizer Chrome Extension (JavaScript, Chrome API):
Sorts tabs by URL; has 6,500+ users, and has been featured on Lifehacker and Product Hunt

SKILLS

Proficient: Python, Java
Familiar: C, HTML, CSS, JavaScript, Bash, R, Scala, Ruby
Tools & Technologies: Git, SQL, MongoDB, Spark, Hive, Presto, AWS, LaTeX