Saghar **Asadi**

Data scientist

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About

A creative geek, experienced in data analysis, visualization and modeling in academia and industry.

Skills

- Python(5), nodejs(3), SQL(3), R(2), LaTeX(5), MATLAB(4), Cython(2), C(1)
- SKlearn(5), Pandas(5), TensorFlow(4), Keras(4), pySpark(4), OpenCV(4), ElasticSearch/Kibana(4), Matplotlib(4), Django(2)
- Farsi(5), English(4), Swedish(3), Norwegian(2)

Positions

Innovation Garage AS - a moonshot by Dualog — *Tromsø, Norway*
Innovator (Data science) — *Aug. 2017 - Present*

SpeedLedger — *Göteborg, Sweden*
Data ninja — *Oct. 2016 - Jun. 2017*

Stockholm University - Department of Astronomy — *Stockholm, Sweden*
PhD in Astronomy — *Aug. 2012 - Sep. 2016*

Stockholm University - Department of Astronomy — *Stockholm, Sweden*
MSc. in Astronomy — *Sep. 2010 - Jun. 2012*

Shahid Beheshti University - Department of Physics — *Tehran, Iran*
BSc. in Physics — *Sep. 2005 - Jun. 2009*

Results

- Developed ElasticSearch data ingestion and embedded data processing and visualization for GeoCloud, a position tracking service for vessels (InnovationGarage AS)
- Performed various data analysis and visualization projects for different departments (InnovationGarage AS)
- Co-developed a ZenDesk bot using natural language processing to help automate support ticket resolution for Dualog (InnovationGarage AS)
- Developed a semi-automatic video labeling tool to speed up generating training data for computer vision projects (InnovationGarage AS)
- Worked with product management team to use customer behaviour analysis for future product development planning (SpeedLedger)
- Built an app to monitor the company internal data flow, making customer data reliably consistent across departments and software systems (SpeedLedger)
- Developed and visualized performance metrics for multiple departments (SpeedLedger)
- Organized the first graduate–level machine learning course across physics and astronomy departments (Stockholm University)
- Wrote simulation software for the first Swedish SETI project (Stockholm University)
- Presented the results of my research to both professional and public audience (Stockholm University)
- Developed data analysis methods to optimize the sensitivity and resolution of radio interferometers with the end goal of constraining the mass of dark matter particles (Stockholm University)
- Made simulations to estimate the ability of near–future radio interferometers to constrain the standard model of dark matter (Stockholm University)
- Organized numerous science outreach programs from the age of 15 (2001–2016)
- Supervised physics and astronomy projects at various high schools (2006–2010)

Interests

Science outreach, amateur astronomy, long distance running, gardening