

# Sergey Grant

## Employment

- Taboola (Tel Aviv)** Algorithm Engineer 2018 –
- **Machine Learning** in Sponsored **Recommendation** and **Real Time Bidding** Systems.
  - End-to-end development spanning design, analysis, implementation, deployment and maintenance of **Big Data** pipelines, **Deep Learning** model training, serving and validation, primarily using **Python**, **TensorFlow**, **Java**, **Scala**, **Spark** and **SQL**.
- YouTube (Bay Area)** Software Engineering Intern 2016
- Full stack development of features related to content ownership and copyright claims in **Python**, **Spitfire**, **JavaScript**, and **Closure**.
- Google (Bay Area)** Software Engineering Intern 2015
- **Eclipse** end-to-end logging pipeline design, implementation and deployment.
  - Collection, aggregation, analysis and visualisation of logs in **Java**, **bash** and **SQL**.
  - Robust and efficient system actively used in production for prioritisation.
  - Open-source contributions to **Eclipse CDT**, **PDE** and **Platform UI**.
- Microsoft Research (UK)** Research Intern 2014
- **Design** and **simulation** of the routing and forwarding strategy for a phase in a protocol optimised for certain metrics such as flow notification delay.
  - Theoretical algorithm design, prototyping, complexity analysis and simulation in **C#** and **C++** using **OMNET++**.
- University of Cambridge** Research Intern 2013
- Development of a **Wireless Sensor Network** control & monitoring utility.
  - Visualisation in **JavaScript** and **D3** within an **Android** web app in **Java**.
  - Communication with hardware in **C** via **USB**.

## Education

- Imperial College London (MSc)** Artificial Intelligence 2016 – 2017
- Thesis:** Hybrid Learning for Text Comprehension
- University of Cambridge (MA)** Computer Science 2012 – 2015
- Thesis:** Group Chat Conversation Summarisation

## Volunteering

- AIESEC (Batumi)** 2016
- Taught English language and public speaking at a local school and university.
  - Mentored students to inspire global integration and promote cultural diversity.
  - **Shared my knowledge and experience** while developing **leadership skills** and absorbing **local culture** by learning the language, traditional dance and song.

## Interests

- Languages, Linguistics, Cultures, their Development and Interaction, Education and Learning
- Music, Piano, Martial Arts, Basketball, Snowboarding, Dance, Board Games, Magic and Travelling