Eugene Bagdasaryan
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SUMMARY:

3rd year CS PhD Graduate student working on applied research in personalization, security, and privacy in ML.

EDUCATION:

CornellTech, Cornell University *Aug 2016 – now*

PhD graduate student in Computer Science department. Focused on security and privacy in ML, Federated Learning, Recommender Systems. GPA: 3.7/4.0

Advised by prof. Deborah Estrin.

Bauman Moscow State Technical University, Russia *September 2009 – 2016*

June 2016 – Master's degree in Computer Science, diploma with honors. Focus areas: AI, Information Systems and Data Science. GPA: 3.9/4.0

June 2013 – Bachelor's degree in Computer Science, diploma with honors. GPA: 4.0/4.0

WORK EXPERIENCE:

CornellTech, Cornell University *September 2016 – now*

Research Assistant (small data lab), Teaching Assistant (Systems Spring'17, Fall'18, Databases Fall'16)

Amazon, Seattle, WA *May 2018 – Aug 2018*

Applied Scientist intern at Alexa Personalization, multi-service recommendations engine

Cisco Systems, Moscow Innovation Center, Russia *September 2014 – July 2016*

QA Software Engineer at Cloud and Virtualization Group, focused on OpenStack Networking

Cisco Systems, Boston, MA *August 2013 – July 2014*

Software Engineering Intern at Collaboration Technology Group, worked on SocialMiner web-app

Deloitte Touché Tohmatsu Limited, Moscow, Russia *December 2012 – April 2013*

Intern at Enterprise Risk Services Department, worked on data analysis for audit department

npobaum.ru, Moscow, Russia *June 2012 – December 2012*

Research engineer at small university startup focused on building distributed systems

Cinimex, Moscow, Russia *September 2011- March 2012*

Junior software developer at IBM partner company, developed project for banks using IBM WebSphere

PAPERS:

- E. Bagdasaryan, A. Veit, Y. Hua, D. Estrin, V. Shmatikov: "How to Backdoor Federated Learning" (in submission)
- L.Yang, E. Bagdasaryan, J. Gruenstein, C.-K. Hsieh, D. Estrin: *"OpenRec: A Modular Framework for Extensible and Adaptable Recommendation Algorithms"* (WSDM '18)

AWARDS:

- Bloomberg Data Immersion Day 2017 Fellowship
- 3x winner of the Vladimir Potanin Scholarship, in '11, '12 and '13
- Russian Government Scholarship for Science Research, Academic Council Faculty Fellowship

DEVELOPMENT SKILLS:

- *Languages*: Python (PyTorch, TensorFlow, NumPy), Java (Spark, Hadoop), JavaScript, C, C++

VOLUNTEERING EXPERIENCE:

Kindness Foundation, Russia *2008-2012*

Translator and organizer of youth camps in Russia that hosted international guests from Canada, US and Australia.

HOBBIES:

- Water polo player. Other: watercolor painting, reading and traveling.