

Summer Intern — Data Science

NEC Laboratories America (<http://www.nec-labs.com/>) conducts research in support of NEC's US and global business. Our lab has a broad research program that covers many areas and maintains a balance of fundamental and applied research.

The Data Science Department (<http://www.nec-labs.com/research-departments/data-science/data-science-home>) performs research on all aspects of data analytics and mining. We are creating innovative analytics from big data to simplify and automate the operation of complex physical systems (e.g., automobiles, power plants, smart city etc.), as well as large-scale IT systems and services. We have several ongoing big data analytics projects including massive time series modeling, heterogeneous data analysis, and large scale graph mining etc.. Our group brings together experts in machine learning, artificial intelligence, data mining, statistics, signal processing, pattern recognition and big data processing systems. We build technologies to solve real world problems and grow NEC's business. Our research leads to both award-winning NEC products/solutions and numerous publications in top conferences.

Currently, the group has multiple summer intern positions available for graduate students. We are seeking self-motivated graduate students in the area of artificial intelligence, machine learning and data mining. The candidate is expected to conduct research with massive data from physical and IT systems and build applications to solve real and complex problems. He/she must be enrolled in a PhD program in CS/CE with strong publication records on the following topics:

- Machine learning and AI (Especially neural networks and deep learning)
- Data mining and statistical learning
- Time series analysis and prediction
- Text mining and information retrieval
- Graph and information network mining
- Large scale optimization and learning
- Signal processing, image processing and computer vision

NEC Laboratories America is located in Princeton, NJ, home of the Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean. For more information about NEC labs, access <http://www.nec-labs.com/>, and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=1793567&B_ID=83