

## Contact

[www.linkedin.com/in/nile-hanov-27952157](https://www.linkedin.com/in/nile-hanov-27952157) (LinkedIn)

## Top Skills

Python

C++

Matlab

## Languages

Russian

## Certifications

Tackling the Challenges of Big Data

Python for Data Science

Big Data with Hadoop and Spark

## Patents

Model-based method to detect abnormal operations in heat exchangers

Method and system for diagnoses and prognoses of low temperature limit control valve

Model-based method and system to detect heat exchanger fouling

# Nile Hanov

Data Scientist at Boeing

Orange County, California Area

## Experience

Boeing

Data Scientist

May 2014 - Present (5 years 11 months)

Huntington Beach, CA

- Secured four U.S. Patents in data analytics domain
- Designed and built cutting edge data analytics models to predict aircraft component failures
- Identified cost-saving opportunities in a research project (\$544k in savings per year)
- Implemented and deployed machine learning models (Random Forest, SVM, etc.) on multiple platforms
- Wrote SQL, Python and R scripts to collect, organize, synthesize and analyze data
- Extracted features from large datasets and evaluated performance and statistical significance of different algorithms
- Built visualization dashboards to display results for the end user/customer (Tableau, Spotfire, MATLAB)
- Wrote System Functional Requirements documents for Prognostics and Health Management applications
- Collaborated with engineers, project managers, outside contractors and end customers to deploy models and achieve business goals

UC Irvine

Researcher

April 2018 - May 2019 (1 year 2 months)

Irvine, CA

Rensselaer Polytechnic Institute

Research Assistant

May 2012 - May 2014 (2 years 1 month)

Troy, NY

CeMSIM lab (Center for Modeling, Simulation, & Imaging in Medicine)

- Conducted a medical instrument improvement study for Harvard Children's Hospital

- Developed a highly responsive and fault tolerant smartphone application for three-dimensional tracking of an endoscope
- Performed system tests to ensure superior performance prior to product release

## Boeing

### Software Engineering Intern

May 2013 - August 2013 (4 months)

- Developed a virtual learning network using Unity 3D engine
- Introduced cross-platform networking to Jetfixer 3D - Advanced Learning software application
- Demonstration new capabilities of the application with Android, iOS and Windows devices
- Recruited for a full-time position by the project manager upon successful completion of the summer internship

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## Education

### Rensselaer Polytechnic Institute

BS, Computer Engineering · (2010 - 2014)

### UC Irvine

MS, Computer Science · (2017 - 2019)