

# Alexandru Nedelcu

Software Engineer at Microsoft

---

## Summary

N/A

---

## Experience

### **Software Engineer at Microsoft**

August 2016 - Present

### **Software Engineer Lead at Elevate Technology Solutions**

October 2013 - Present

- Integrated machine learning algorithms analyzing social media data to prevent suicide

- Designed website's frontend in JavaScript and backend in Python & Django

- Set up and maintained the internal Linux server

- Programmed machine learning algorithms to run in parallel on multiple CPU cores

Acquired Skills: Python, Django, Concurrent Programming, Facebook APIs, Linux, MySQL HTML, CSS

### **Relational Database Developer at NRG Energy**

September 2013 - March 2014 (7 months)

- Solved problems affecting over 300k customers as part of Feature and Maintenance Team

- Interacted with various departments in order to find the best solutions to the occurring issues

- Developed MS SQL procedures and fixed .NET issues by following Agile methodology, using JIRA

- Implemented business logic and made ethical and fair decisions to solve customer issues

Acquired Skills: MS SQL Server 2012, C# Programming, Agile development, JIRA issue tracking

### **Research Software Engineer at Applied Informatics Group - Datanet Project**

May 2012 - October 2013 (1 year 6 months)

- Set up a big data cyber-infrastructure dedicated to science and engineering datasets

- Produced software through the entire development life cycle, from design to final release

- Developed data cross-platform accessibility using real time online 3D model conversions

- Built software workflows using virtual machines, running on OpenStack cloud technology

- Designed the GUI for data repositories access using Mediawiki API and social networks

Acquired Skills: PHP, Linux, jQuery, C, Mediawiki API, Socket Programming, MySQL, HTML, CSS, JS

---

## Education

### **Drexel University**

Master's Degree, Software Engineering, 2011 - 2016

**Activities and Societies:** Mathematics and Computer Science Society

### **Drexel University**

Bachelor's Degree, Computer Science, 2011 - 2016

---

## Honors and Awards

Galactic Impact Award, Open Data Award, STAR Program Research Grant, Dean's List Distinction, Academic Scholarship

# Alexandru Nedelcu

Software Engineer at Microsoft

---



[Contact Alexandru on LinkedIn](#)