

# Максимов Иван

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## ОБРАЗОВАНИЕ

### МГТУ ИМ. БАУМАНА

Специалист

2007 – 2013

Ядерные реакторы и энергетические установки

Средний балл: N/A

Кандидат технических наук

2014 – по настоящее время

05.14.03, Ядерные энергетические установки, включая проектирование, эксплуатацию и вывод из эксплуатации

Методы анализа и алгоритмы для программного комплекса системы обнаружения свободных и слабозакрепленных предметов в контуре циркуляции теплоносителя реакторных установок с ВВЭР

### COURSERA

- Machine Learning

## ССЫЛКИ

Github:// [iv-maksimov](#)

VK:// [iv\\_maksimov](#)

## ЗНАНИЕ ЯЗЫКОВ

Русский — родной

Английский — читаю

профессиональную литературу

## НАВЫКИ

### ДАННЫЕ

SQLite • PostgreSQL • JSON

### ПРОГРАММИРОВАНИЕ

Более 5000 строк:

Python + (numpy, scipy, pandas, sklearn)

Знаком с:

SQL • HTML/CSS •  $\text{\LaTeX}$  • Django

### ТЕХНОЛОГИИ

git • R • Octave • CUDA (Theano)

### МАШИННОЕ ОБУЧЕНИЕ

Supervised learning

Linear Regression • Logistic Regression • NN • SVM • Decision Trees

Unsupervised learning

K-means clustering • Anomaly Detection • PCA

### ВИЗУАЛИЗАЦИЯ

matplotlib (Python) • bokeh (Python) • Adobe Photoshop • Gephi

## ОПЫТ РАБОТЫ

### ФГУП ММП «САЛЮТ» | KPCB FELLOW + SOFTWARE ENGINEERING INTERN

Expected June 2014 – Sep 2014 | Mountain View, CA

- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.

### ОАО «ПЛУТОН» | SOFTWARE ENGINEERING INTERN

May 2013 – Aug 2013 | Mountain View, CA

- Worked on the YouTube Captions team in primarily vanilla Javascript and Python to plan, design and develop the full stack implementation of a new framework to add and edit Automatic Speech Recognition captions.
- Created a backbone.js-like framework for the Captions editor.
- All code was reviewed, perfected, and pushed to production.

### ЗАО «НТЦ ДИАПРОМ» | OPEN SOURCE CONTRIBUTOR & TEAM LEADER

Jan 2013 – May 2013 | Palo Alto, CA & Ithaca, NY

- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator, the entire Lipsum application, ported Tokens to different apps, fixed many bugs and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

## RESEARCH

### CORNELL ROBOT LEARNING LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – Present | Ithaca, NY

Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

### CORNELL PHONETICS LAB | HEAD UNDERGRADUATE RESEARCHER

Mar 2012 – May 2013 | Ithaca, NY

Lead the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research. Publication submitted.

## AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	2 <sup>nd</sup> most points	Google Code Jam, Qualification Round
2014	1 <sup>st</sup> /50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7 <sup>th</sup> /120	CS 3410 Cache Race Bot Tournament
2012	2 <sup>nd</sup> /150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist
2010	National	Comp. Soc. of India's National Programming Contest

## SOCIETIES

2014	top 12%ile	Tau Beta Pi Engineering Honor Society
2014	National	The Global Leadership and Education Forum (tGELF)
2012	National	Golden Key International Honor Society
2012	National	National Society of Collegiate Scholars