

# Ivan Smirnov

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## EDUCATION

### **B.A. Computer Science**

*University of California, Berkeley*

*August 2012 - December 2015*

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## CAREER HISTORY

### **Software Engineer - Google, Mountain View, California**

*February 2016 - present*

- Developing the Google Assistant
- Previously: Worked on Search and Ads Infrastructure.

### **Full Stack Developer - Lighthouse A.I., Inc., Palo Alto, California**

*May 2015 - December 2015*

- Employee #1 of LightHouse A.I. Inc.
- Was the primary Android developer, contributed to infrastructure and backend design.
- Involved in high level decisions about company focus, strategy, and goal prioritization.
- During the last month of my stay, I conducted multiple interviews and assisted with vetting candidates to help expand the company.

### **Engineering Practicum Intern - Google, Mountain View, California**

*May 2014 - August 2014*

- Designed and implemented better machine learning models for video classification to improve search quality, recommendations and ads targeting.
- Achieved noticeable increase in precision and recall metrics on the classifier.
- Code is used in production today in "YouTube for Kids".

### **Network Administrator - Berkeley Student Cooperative, Berkeley, California**

*January 2014 - May 2014*

- Configured back end of network to provide various services such as media streaming, incremental backups, and in house website.
- Designed and implemented optimal network topology (both wired and wireless).
- Configured a reverse VPN tunnel for worldwide access.
- Built a blade server from scratch, deployed to production rack.

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## PROJECTS

### **Home Automation and Intelligent Bots**

*January 2015 - present*

(private)

- Currently working in creating an intelligent home out of consumer devices.
- Experimenting with human language processing and conversational helper bots.

### **Panda**

*August 2014 - Present*

<http://blog.ivansmirnov.name/project-showcase-panda/>

- Designed and implemented a RESTful API for managing a personal server.
- Built a responsive, mobile friendly AJAX web frontend that can interface with the API.
- The API can be used to trigger backups, manage running service, and query the system for information.

### **Ghost Theme Development**

*February 2015 - Present*

<https://github.com/issmirnov/no-nonsense>

- Contributed to an open source theme for the Ghost Blogging platform.
- Implemented various features, planning on expanding this theme and possibly forking completely.

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## SKILLS

**Skills:** Android, Java, Python, NodeJS, C++, System and Network Administration, L<sup>A</sup>T<sub>E</sub>X, bash + zsh

**Operating Systems:** Ubuntu, OSX, Windows, FreeNAS

**Languages:** Russian (Native), French (Basic)