

# MARTIN PETTERSSON

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## EDUCATION

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### **KTH Royal Institute of Technology**

*Computer Science*

2010-

*Stockholm, Sweden*

- MSE Degree Program in Computer Science and Technology

### **Tohoku University**

*Computer Science, Natural Language Processing*

2014-2015

*Sendai-shi, Miyagi, Japan*

- Natural Science DEEP Program, Special Research Student

## EXPERIENCE

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### **NORDITA, Nordic Institute for Theoretical Physics**

*Student Assistant, Research*

September 2017 - current

*Stockholm, Sweden*

- Working on OMDb, the Organic Materials Database, <https://omdb.diracmaterials.org>
- Assisting in web development and similarity computations.
- So far I have implemented a similarity search tool in Python for around 17500 molecules, a non-trivial computation.

### **Omegapoint AB**

*Consultant, Software Developer*

September 2016 - August 2017

*Stockholm, Sweden*

- Consulting jobs for clients within government and banking.
- Mostly Java backend development, but also some frontend and database related work.
- First six months consisted of a tech-trainee program with a client case.

### **Digpro AB**

*Software Developer*

January 2016 - March 2016

*Stockholm, Sweden*

- Part-time Java programming with a geographical information system.
- Attempted to replace an old Excel-library (JXL) to Apache POI in a very large code base.

### **Inui-Okazaki Communication Science Lab**

*Research Student*

September 2014 - August 2015

*Sendai-shi, Miyagi, Japan*

- I implemented a sentiment-level selectional preference model in Java using the Stanford NLP library.

### **WeMind AB**

*Web Developer*

May 2013 - August 2014

*Stockholm, Sweden*

- My first part-time development job where I worked with Ruby, Ruby on Rails and PostgreSQL.
- I maintained and developed a back-office system used in psychiatry.

## TECHNICAL SKILLS

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### **Languages**

Java, Python, C++, Ruby, C#

### **Web**

HTML, CSS, Javascript, Basics of PHP

### **Frameworks**

Spring Boot, Ruby on Rails, Angular, React

### **Databases**

MySQL, PostgreSQL, Oracle WCC

### **Tools**

Git, SVN, Eclipse, IntelliJ, Visual Studio, vim, Atom, Sublime

### **Operating Systems**

Windows, OSX, Ubuntu, Linux Mint, etc.

### **Other**

Maven, Gradle, IBM SPSS, IBM RAD

### **Even More**

Autodesk Maya, Unity, Blender