

Martin Koeling

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Education

King's College London

BSc Computer Science

- Expected: First Class (Hons)

London, England

2016- 2019

Viktor Rydberg Gymnasium

High school program in Economics

- GPA: 20.0/22.5

Stockholm, Sweden

2010 – 2013

Brown University

Summer school program in English

- Received Certificate of Completion

Providence, USA

July 2011

Work experience

Klarna

Software Engineer Intern

I was part of a small team responsible for management of a fundamental backend service.

- Scalable backend development in Java and test writing in Groovy.
- Continuous deployment with Jenkins.
- Individual tasks including interaction with AWS S3 and EC2 through the SDK for python, boto3.

Stockholm, Sweden

Jul 2018 – Oct 2018

Atomico

Intern

I assisted the investment team.

- Had the opportunity to interact with many notable entrepreneurs of our time as well as up-and-coming entrepreneurs.
- Wrote an internal research report on key events from CES 2016.
- Held a presentation about trend analysis and potential investment opportunities company wide.

London, England

Jan 2016 – Feb 2016

Swedish Armed Forces – Life Regiment Hussars K3

Ranger (Two week per year part-time since Jan 2016)

I served as a ranger in the 32nd Intelligence Battalion.

- After basic training I joined the 321. Squadron (50 full-time personnel), which is one of the most demanding and selective units with the Swedish Army.
- Specialized in reconnaissance and surveillance with high technology systems.
- Focus areas: teamwork, discipline, endurance, stressful situations.

Karlsborg, Sweden

Aug 2013 – Jan 2016

Swedish Armed Forces – International operations

United Nation Peacekeeper

I was a part of the Swedish Armed Forces Intelligence Surveillance Reconnaissance Task Force in the ongoing Mali conflict wearing the blue UN helmet.

- Patrol tasks, interaction with civilians and intelligence operations.
- I was one of the one youngest people (20 years old) in the Swedish contingent. Most soldiers in similar positions had 5 to 7 years of full time experience and previous international service.

Timbuktu, Mali

Jun 2015 – Dec 2015

Technical skills

- **Software engineering:**
Agile methodologies, Test Driven Development, Continuous Integration, Object-Oriented Design, Micro-service architecture, Version Control with Git.
- **Regularly works with:**
Java, IntelliJ, Python, Ubuntu, Sublime text, ROS, ROSPlan.
- **Have some experience working in:**
C++, Scala, Groovy, HTML, JavaScript, Bash, MySQL, Prolog, Haskell, Ruby on Rails.

Projects

KCL Technologies on board the ISS – Research in collaboration with NASA Sept 2018 - Ongoing
Member of research team

This is my final year dissertation project. Under the supervision of Dr. Daniele Magazzeni, I am currently involved in a collaborative research project, involving KCL and NASA, related to Artificial Intelligence planning. Our common goal is to empower two robots with a degree of autonomy, so they can assist astronauts in tasks at the International Space Station. My work focusses on translating sensor data from our test-robot equipped with a 3D camera to an AI planning model.

Facebook London Hackathon 2018
Developer and presenter

In a group consisting of three more undergraduate students, I spent 24h in Facebook's London offices developing an application that I later presented in front of a jury. The application was a separate mobile event app that would substitute the current FB-internal handling of events. I spent most of my time developing the app by writing Java in Android Studio, including interaction with the FB API.

Becoming a parent – Web application for National Health Services 2018
Developer

Together with five other 2nd year computer science students from KCL, I built a large application as part of a software engineering module. The application, suitable for desktop and mobile, was a e-learning platform for parents. The core learning activities that the client (NHS) wanted incorporated in the application included the administration of basic questionnaires, distribution of handouts and a group forum. The platform provided an interface for therapists (admins) and parents (users). I received the most positive feedback response on the scale from my peers for my engagement, inclusiveness and contribution.

Java project 2017
Developer

This major coursework was the final part of my first year programming module. With focus on implementing the MVC architecture and using Java, I built an application to browse UFO sighting data. This involved building a self-contained application with components, layout managers and event handlers as well as using pre-existing code, provided as a library.

Hogskoleprovet Online www.youtube.com/hogskoleprovetonline 2013
Co-founder and presenter

As a senior in high school, two more students and I found ourselves spending much of our free time preparing for Hogskoleprovet (Swedish equivalent to SAT). Inspired by services like Khan-academy, we decided to start a YouTube channel with the purpose to help students score in the quantitative part of the test. The channel now has over 180.000 views.

Other commitments

Awarded the Swedish Armed Forces Medal for National Defence Nov 2018
Awarded for 4 years of service.

Awarded the United Nations Medal Dec 2015
Awarded for more than 90 days of United Nations duty. "In the service of peace"

Awarded the Swedish Armed Forces Medal for International Efforts Dec 2015
Awarded for my efforts in Mali by the Swedish Supreme Commander.

Energize UF May 2013
Awarded for my efforts in best start-up business of the year at VRG: Energize UF.